

**IMPULSPROGRAMMA ZEEWETENSCHAPPEN
1992-1997**

*Definiëring en toepassing van ecologische criteria
en economische indicatoren voor de
effectstudie en kostenbepaling van diverse types
van verontreiniging in de Noordzee*

**Diensten van de Eerste Minister
Federale diensten voor Wetenschappelijke,
Technische en Culturele Aangelegenheden**

DATABASE 'NOORDZEE'

UNIVERSITEIT GENT
Laboratorium voor Biologisch Onderzoek van Waterverontreiniging

M. Vandenbroele, M. Vangheluwe, C. Janssen en G. Persoone

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HANDLEIDING DATABASE 'NOORDZEE'

1 Opbouw fysisch-chemische en ecotoxicologische databank

De fysisch-chemische en ecotoxicologische gegevens die initieel in de vorm van fiches verzameld werden, werden in deze fase in een computer databestand ingevoerd. Zo kunnen de nodige gegevens voor de 220 verschillende chemicaliën op een eenvoudige manier verkregen worden. In de gegevensbank werd o.a. de volgende informatie opgenomen:

1.1 Chemische gegevens

| | | |
|------------------------|---|---|
| Naam chemische stof | = | meest gebruikte naam van de stof |
| CAS registratie nummer | = | Chemical Abstracts Service Registry Number: is een uniek nummer ter identificatie van specifieke chemische stoffen. Het nummer wordt toegekend door de American Chemical Society's Chemical Abstracts Service en wordt wereldwijd gebruikt |
| Chemische formule | = | geeft het aantal atomen van elke soort weer waaruit de het molecuul is opgebouwd volgens het Hill systeem zoals in 1900 gepubliceerd. De koolstof en waterstofatomen worden eerste vermeld gevolgd door de andere atomen in alfabetische volgorde |
| Moleculair gewicht | = | wordt berekend aan de hand van de atoomgewichten |
| Densiteit (g/l) | = | het soortelijk gewicht van de stof bij kamertemperatuur ($\pm 20^{\circ}\text{C}$) |
| Dampdruk (Pa) | = | de dampspanning weergegeven in Pa |
| Oplosbaarheid (g/l) | = | de maximale wateroplosbaarheid van een stof bij atmosferische druk |

$\log P_{ow}$ = octanol-water verdelingscoëfficiënt; is de verdeling van een stof tussen twee niet mengbare stoffen n-octanol en water. Dit is een maat voor de lipofiliteit en dus voor de bioaccumuleerbaarheid van stoffen.

Aggregatietoestand = vast, vloeistof of gas

1.2 Ecotoxicologische gegevens

In dit onderdeel van de database worden de acute toxiciteitsgegevens voor de verschillende biotagroepen van het BCP: fytoplankton, zoöplankton, invertebraten, mollusken en vissen weergegeven. Hierbij wordt telkens vermeld of de test uitgevoerd werd in zoet (F) of zout water (M). Daarnaast wordt per test de wetenschappelijke naam van het testorganisme, het eindpunt van de test (vb. LC_{50} , PGR, EC_{50im} ,...zie tabel), de blootstellingsduur, de testtemperatuur, de effectconcentratie en de referentie weergegeven. Het levensstadium van het testorganisme (leeftijd, grootte, gewicht) en het soort test (static, flow through, renewal) werden eveneens vermeld indien gegevens hierover beschikbaar waren. In de onderstaande tabel worden de meest voorkomende testeindpunten per biotagroup voorgesteld.

FYTOPLANKTON

$EC_{50(gr)}$ = de concentratie waarbij een effect (groei-inhibitie) van 50% wordt waargenomen t.o.v. de controle

PGR = Population Growth Rate = verandering in het aantal algencellen van een species

ZOOPLANKTON

INVERTEBRATEN

MOLLUSKEN

$EC_{50(im)}$ = de concentratie waarbij een effect (immobilisatie) wordt waargenomen bij 50% van de populatie in vergelijking met de controle

LC_{50} = de concentratie die een mortaliteit van 50% veroorzaakt bij de geteste organismen

VISSEN

LC₅₀ = de concentratie die een mortaliteit van 50% veroorzaakt bij de geteste organismen

1.3 Gesamp hazard profiles

- **Gesamp A = Bioaccumulation rating**

- + - Bioaccumulative to a significant extent and known to produce a hazard to aquatic life or human health
- Z - Bioaccumulative with attendant risk to aquatic organisms or human health, but with a short retention time of the order of one week or less
- T - Bioaccumulative, liable to cause tainting of seafood
- 0 - Not known to be significantly bioaccumulative, or to support one of the above ratings

- **Gesamp B = Damage to living resources rating**

| | | | | |
|-------|-----------------------------------|----------|-----------|------|
| 4 - | Highly toxic | TLm(96h) | < 1 | mg/l |
| 3 - | Moderately toxic | TLm | 1-10 | mg/l |
| 2 - | Slightly toxic | TLm | 10-100 | mg/l |
| 1 - | Practically non-toxic | TLm | 100-1 000 | mg/l |
| 0 - | Non-hazardous | TLm | > 1 000 | mg/l |
| BOD - | Problems of oxygen demand | | | |
| (D) - | Deposits liable to blanket seabed | | | |

- **Gesamp D = Skin contact and inhalation rating**

- II - Hazardous (carcinogen)
- I - Slightly hazardous
- 0 - Non-hazardous

- **Gesamp E = Reduction of amenities rating**

- XXX Highly objectionable because of persistence, smell or poisonous or irritant characteristics. As a result, beaches are liable to be closed. Rating also used when there is clear evidence that the substance causes cancer in human beings.
- XX Moderately objectionable because of the above characteristics. Short-term effects lead to temporary interference with the use of beaches. Rating also used when there is credible evidence that the substance is an animal carcinogen, but when no clear evidence is available to suggest that the substance causes cancer in human beings
- X Slightly objectionable, non-interference with the use of beaches
- 0 No problems envisaged

- Persistentie = yes (halfwaardetijd stof ≥ 10 dagen), no (halfwaardetijd < 10 dagen), unknown
- Carcinogeen = yes, no
- Gedrag = gas, evaporator, floater, dissolver, sinker

1.4 Risk & Safety Phrases

Risk Phrases: In dit onderdeel worden de gevaarlijke (risicohoudende) eigenschappen van de chemische stof beschreven (vb. highly flammable,...)

Safety Phrases: In dit deel worden de veiligheidsvoorschriften beschreven die dienen nageleefd te worden wanneer men met de stof in contact komt

De informatie opgenomen in de database werd verkregen uit volgende bronnen:

- CRC Handbook of Chemistry and Physics - 54th edition (1974)
- The Merck Index - 12th edition (1996)
- Milieukaarten: Gedrag en effecten van stoffen in het milieu door ir. K. Verschueren (1996)
- Handbook of environmental data on organic chemicals door ir. K. Verschueren. 3rd edition (1996)
- DATATOX ® V2.0. Toxicity and chemical fate personal computer system: AQUIRE - Aquatic Toxicity Information Retrieval. Spectrum Research Inc., Minnesota, USA (1994)
- Reports and studies no. 35. The evaluation of the hazards of harmful substances carried by ships: revision of GESAMP reports and studies no. 17. IMO (1989)

2 Praktische handleiding van de database Noordzee

De database Noordzee werd gecreëerd in ACCESS 2.0 voor Windows 3.1. Om deze database optimaal te kunnen gebruiken is het dus nodig dat u over deze versie of een latere versie van ACCESS (voor Windows 95) beschikt.

In de onderstaande tekst worden de basishandelingen van ACCESS 2.0 (nodig voor het gebruiken van de database) weergegeven.

De volledige database 'Noordzee.mdb' bevindt zich op de diskette in bijlage. Om het opzoeken vlugger te laten verlopen, wordt de database best eerst op de harde schijf gekopieerd (copy a:\Noordzee.mdb c:\access\)

Wanneer dit gebeurd is, kan ACCESS 2.0 opgestart worden. (klik tweemaal op het pictogram)

1. Bestand (1 maal klikken)
2. Database openen
3. werkstation kiezen; c: (vanop harde schijf) of a: (vanop diskette)
4. c:\access\Noordzee.mdb of a:\Noordzee.mdb
5. op OK klikken
nu verschijnt het venster Database op het scherm. Links ziet u de objectknoppen voor de verschillende objecten van de database: Tabel, Query, Formulier, Rapport, Macro en Module
6. klik op de knop Formulier, links in het venster. Vervolgens verschijnen de verschillende aanwezige formulieren.
7. Markeer het getoonde fomulier 'FO_hoofd_chemecotox' met behulp van een klik met de linker muisknop.
8. Open het formulier door op de knop Openen te klikken
9. U hebt nu het hoofdformulier geopend waarin stoffen kunnen opgezocht worden.

Bovenaan dit formulier ziet u verscheidene knoppen. Hierna volgt een beschrijving van alle knoppen met hun respectievelijke functies.

Naast de titel van de database vindt u het pictogram met een **vergrootglas**. Wanneer dit pictogram aangeklikt wordt verschijnt de vraag: 'afdruknummer intikken a.u.b.' Het afdruknummer is het nummer van de record die men wil afdrukken en bevindt zich in het vakje 'afdruknummer'. Na het intikken van dit nummer verschijnt een afdrukvoorbeeld van alle chemische en ecotoxicologische gegevens van de chemische stof op het scherm.

Er wordt op dezelfde manier te werk gegaan bij het **printer** pictogram, wat staat voor afdrukken van de record. Opnieuw wordt gevraagd het afdruknummer in te tikken, dan wordt overgegaan tot het afdrukken van de gegevens van de stof.

Naast het printer pictogram wordt het **afdruknummer** weergegeven, dat zoals hierboven reeds werd vermeld, nodig is voor het afdrukken van de gegevens van de stof. Elk afdruknummer is uniek, wat betekent dat voor één stof juist één afdruknummer bestaat.

Rechts van het afdruknummer komen **twee pijlen** voor, één wijzend naar links, de andere naar rechts. Wanneer op de pijl naar rechts wordt geklikt wordt naar de volgende record (stof) gegaan, op de pijl naar links wordt naar de vorige record gegaan. De pijlknoppen maken het mogelijk om de database (alfabetisch) te doorbladeren.

Naast de pijlen bevindt zich het **STOP** teken, dat dient om de opzoeken in de database te beëindigen. Wanneer dit pictogram wordt aangeklikt wordt opnieuw overgegaan naar het database venster. Bestand wordt 1 maal aangeklikt en men gaat over tot Database sluiten en Bestand afsluiten (ACCESS wordt afgesloten).

Gegevens over een chemische stof kunnen op drie manieren opgezocht worden in de database.

1. met behulp van de **keuzelijst: 'keuze chemische stof'**.

In deze keuzelijst zijn alle namen van de in de database aanwezige chemische stoffen opgenomen. Wanneer éénmaal geklikt wordt op het naar onder wijzende pijltje komt deze keuzelijst te voorschijn. Ofwel kan deze lijst doorlopen worden en kan zo een stof uitgekozen worden, ofwel kan de naam van de stof (of de beginletters ervan) ingetypt worden, waarna de computer zelf door de keuzelijst gaat scrollen.

Wanneer een keuze gemaakt is, verschijnen de gegevens van de desbetreffende stof op het scherm.

2. Op dezelfde manier kan de chemische stof ook geselecteerd worden aan de hand van het **CAS nummer**. Meestal worden verschillende namen gehanteerd voor eenzelfde chemische stof, het CAS nummer is echter uniek voor elke stof. Op analoge wijze kan hier dus het CAS nummer van de stof ingetypt of opgezocht worden, waardoor de betreffende stof geselecteerd wordt.
3. Een derde mogelijkheid is het **zoeken op naam** (1 maal aanklikken). Wanneer de volledige naam van de stof gekend is of wanneer die gekozen werd uit de korte inhoud lijst, kan die ingetypt worden en geklikt worden op 'eerste zoeken'. Wanneer de stof gevonden werd, wordt geklikt op 'sluiten'. Deze manier van opzoeken is zeer handig wanneer men gegevens over alle chemicaliën wil die derivaten zijn van een bepaalde chemische stof; vb. benzeenderivaten. Wanneer benzeen ingetypt wordt, wordt gezocht naar alle stoffen waarbij benzeen in de naam voorkomt: dus ook bijvoorbeeld: 1,2,4-trimethylbenzeen,... Hierbij moet na 'eerste zoeken' geklikt worden op 'volgende zoeken' om alle stoffen terug te vinden.

De Chemische gegevens en de Gesamp hazard profiles worden voorgesteld op het eerste scherm. De knop 'Risk & Safety' dient om naar het tweede scherm over te gaan, waar de Ecotoxicologische gegevens en de Risk & Safety Phrases weergegeven worden. Op dit scherm bevindt zich dan de knop 'terug naar boven' om terug naar het eerste scherm te gaan.

Om de verschillende gegevens van de database te doorlopen kan gebruik gemaakt worden van de pijltjes (boven, onder, links, rechts), van de tab toets en van de enter toets.

De database wordt - zoals hierboven reeds beschreven - afgesloten gebruik makend van de STOP knop.

3 Referenties database 'Noordzee'

Budavari S., O'Neil M.J., Smith A., Heckelman P.E. & Kinneary J.F. (eds.) (1996). The Merck Index - 12th edition. Merck Research Laboratories, Division of Merck & Co, Inc., New Jersey, USA.

CRC Handbook of Chemistry and Physics - 54th edition (1974). CRC press, Ohio, USA.

DATATOX ® V2.0. Toxicity and chemical fate personal computer system: ACQUIRE - Aquatic Toxicity Information Retrieval. Spectrum research Inc., Minnesota, USA (1994)

IMO (1989). The evaluation of the hazards of harmful substances carried by ships: revision of GESAMP reports and studies no. 17. Rep. Stud. GESAMP, 35, 211 p.

Verschueren K. (1996). Handbook of Environmental data on organic chemicals, third edition. Van Nostrand Reinhold Company, New York, 2064 p.

Verschueren K. (1996). Milieukaarten. Samson H.D. Tjeenk Willink, Alphen aan den Rijn/Diegem, losbladig.

| <u>Naam chemische stof</u> | <u>CAS registratie nummer</u> | <u>UN-nummer</u> |
|----------------------------|-------------------------------|------------------|
| 1,1,1-Trichloorethaan | 71-55-6 | 2831 |
| 1,1,2,2-Tetrachloorethaan | 79-34-5 | 1702 |
| 1,2,4-Trimethylbenzeen | 95-63-6 | / |
| 1,3,5-Trimethylbenzeen | 108-67-8 | 2325 |
| 1,3-Dimethylnaftaleen | 575-41-7 | / |
| 1,4-Dioxaan | 123-91-1 | 1165 |
| 1-Heptanol | 111-70-6 | 1987 |
| 1-Methylnaftaleen | 90-12-0 | / |
| 1-Methylpyrrolidone | 120-94-5 | / |
| 2,4-Dichlorofenol | 120-83-2 | 2020 |
| 2-Ethylhexanol | 104-76-7 | 1987 |
| 2-Ethylhexylacrylaat | 103-11-7 | 1760 |
| 2-Hydroxyethylacrylaat | 818-61-1 | / |
| 2-Methyl-5-ethylpyridine | 104-90-5 | 2300 |
| 2-Methylnaftaleen | 91-57-6 | / |
| 2-Nitropropaan | 79-46-9 | 2608 |
| 4-Nonylfenol | 104-40-5 | 3082 |
| Acetaldehyde | 75-07-0 | 1089 |
| Aceton | 67-64-1 | 1090 |
| Acetoncyaanhydrine | 75-86-5 | / |
| Acetonitrile | 75-05-8 | 1648 |
| Acetylchloride | 75-36-5 | 1717 |
| Acroleïne | 107-02-8 | 1092 |
| Acrylamide | 79-06-1 | 2074 |
| Acrylonitrile | 107-13-1 | 1093 |
| Acrylzuur | 79-10-7 | 2218 |
| Adiponitrile | 111-69-3 | 2205 |
| Aldrin | 309-00-2 | 2761 |
| alfa-Caprolactam | 105-60-2 | / |
| alfa-Pineen | 80-56-8 | 2368 |
| Allylalcohol | 107-18-6 | 1098 |
| Allylchloride | 107-05-1 | 1100 |
| Ammoniumnitraat | 6484-52-2 | 1942 |
| Aniline | 62-53-3 | 1547 |
| Antimoonkaliumtartraat | 28300-74-5 | 1551 |
| Antimoontrichloride | 10025-91-9 | 1733 |
| Arseen(tri)oxide | 1327-53-3 | 1561 |
| Arseenzuur | 7778-39-4 | 1553 |
| Azijnzuur | 64-19-7 | 2789 |
| Azijnzuuranhydride | 108-24-7 | 1715 |
| Benzaldehyde | 100-52-7 | 1990 |
| Benzeen | 71-43-2 | 1114 |
| Benzyl n-butylftalaat | 85-68-7 | / |
| Benzylalcohol | 100-51-6 | 1993 |
| Benzylchloride | 100-44-7 | 1738 |
| beta-Propiolactone | 57-57-8 | / |
| Bisfenol A | 80-05-7 | / |
| Blauwzuur | 74-90-8 | 1051 |
| Boterzuur | 107-92-6 | 2820 |
| Butyraldehyde | 123-72-8 | 1129 |
| Calciumchloride | 10043-52-4 | / |

| <u>Naam chemische stof</u> | <u>CAS registratie nummer</u> | <u>UN-nummer</u> |
|------------------------------------|-------------------------------|------------------|
| Calciumhydroxide | 1305-62-0 | / |
| Camfor (synthetisch) | 76-22-2 | 2717 |
| Chloorbenzeen | 108-90-7 | 1134 |
| Chloroform | 67-66-3 | 1888 |
| Citroenzuur | 77-92-9 | / |
| Cresols | 1319-77-3 | 2076 |
| Crotonaldehyde | 4170-30-3 | 1143 |
| Cyaanbromide | 506-68-3 | 1889 |
| Cyaanchloride | 506-77-4 | 1589 |
| Cyanide | 57-12-5 | / |
| Cyclohexaan | 110-82-7 | 1145 |
| Cyclohexanol | 108-93-0 | / |
| Cyclohexanon | 108-94-1 | 1915 |
| Cyclohexylamine | 108-91-8 | 2357 |
| Decahydronaftaleen | 91-17-8 | 1147 |
| Diacetonalcohol | 123-42-2 | 1148 |
| Dichloroethylether | 111-44-4 | 1916 |
| Dichloromethaan | 75-09-2 | 1593 |
| Diethanolamine | 111-42-2 | / |
| Diethylamine | 109-89-7 | 1154 |
| Diethyleen glycol monomethyl ether | 111-77-3 | / |
| Diethyleenglycol | 111-46-6 | / |
| Diethyleentriamine | 111-40-0 | 2079 |
| Diethylether | 60-29-7 | 1155 |
| Difenylether | 101-84-8 | / |
| Diisobutylketon | 108-83-8 | 1157 |
| Diisopropanolamine | 110-97-4 | / |
| Diisopropylamine | 108-18-9 | 1158 |
| Diisopropylether | 108-20-3 | 1159 |
| Dimethylamine | 124-40-3 | 1032 |
| Dinitrofenol | 25550-58-7 | / |
| Epichloorhydrine | 106-89-8 | 2023 |
| Ethanol | 64-17-5 | 1170 |
| Ethanolamine | 141-43-5 | 2491 |
| Ethylacetaat | 141-78-6 | 1173 |
| Ethylacetoacetaat | 141-97-9 | / |
| Ethylacrylaat | 140-88-5 | 1917 |
| Ethylamine | 75-04-7 | 1036 |
| Ethylbenzeen | 100-41-4 | 1175 |
| Ethyleenchloorhydrine | 107-07-3 | 1135 |
| Ethyleendiamine | 107-15-3 | 1604 |
| Ethyleendibromide | 106-93-4 | 1605 |
| Ethyleendichloride | 107-06-2 | 1184 |
| Ethyleenglycol | 107-21-1 | / |
| Ethyleenglycol monoethylether | 110-80-5 | 1171 |
| Ethyleenglycol monomethylether | 109-86-4 | 1188 |
| Ethyleenoxide | 75-21-8 | 1040 |
| Ethylmethacrylaat | 97-63-2 | 2277 |
| Ethylmethylketon | 78-93-3 | 1193 |
| Fenol | 108-95-2 | 1671 |
| Ftaalzuuranhydride | 85-44-9 | 2214 |
| Furfural | 98-01-1 | 1199 |
| Furfurylalcohol | 98-00-0 | 2874 |

| <u>Naam chemische stof</u> | <u>CAS registratie nummer</u> | <u>UN-nummer</u> |
|----------------------------|-------------------------------|------------------|
| Gamma-lindaan | 58-89-9 | 2761 |
| Glycerine | 56-81-5 | / |
| Heptaan | 142-82-5 | 1206 |
| Hydrazine | 302-01-2 | 2030 |
| Hydrochinon | 123-31-9 | / |
| IJzer(3+)chloride | 7705-08-0 | 1773 |
| Isoamylacetaat | 123-92-2 | 1104 |
| Isobutanol | 78-83-1 | 1212 |
| Isobutylacetaat | 110-19-0 | 1213 |
| Isodecanol | 25339-17-7 | 1987 |
| Isoforone | 78-59-1 | 1993 |
| Isopreen | 78-79-5 | 1218 |
| Isopropanol | 67-63-0 | 1219 |
| Isopropylacetaat | 108-21-4 | 1220 |
| Isopropylamine | 75-31-0 | 1221 |
| Isopropylbenzeen | 98-82-8 | 1918 |
| Kaliumcyanide | 151-50-8 | 1680 |
| Kaliumhydroxide | 1310-58-3 | 1813 |
| Koolstofdioxide | 75-15-0 | 1131 |
| Koper(1+)chloride | 7758-89-6 | 2802 |
| Koper(2+)oxide | 1317-38-0 | / |
| Koperacetoarseniet | 12002-03-8 | 1583 |
| Kwik(2+)acetaat | 1600-27-7 | / |
| Kwik(2+)chloride | 7487-94-7 | 1624 |
| Kwik(2+)nitraat | 10045-94-0 | 1625 |
| Lood | 7439-92-1 | / |
| Lood(2+)acetaat | 301-04-2 | 1616 |
| Lood(2+)chloride | 7758-95-4 | / |
| Lood(2+)nitraat | 10099-74-8 | 1469 |
| Lood(2+)sulfaat | 7446-14-2 | 1794 |
| Meta-xyleen | 108-38-3 | 1307 |
| Methanol | 67-56-1 | 1230 |
| Methylacrylaat | 96-33-3 | 1919 |
| Methylamine | 74-89-5 | 1061 |
| Methylamylacetaat | 108-84-9 | 1233 |
| Methylbromide | 74-83-9 | 1062 |
| Methylchloride | 74-87-3 | 1063 |
| Methylisobutylcarbinol | 108-11-2 | 2053 |
| Methylisobutylketon | 108-10-1 | 1245 |
| Methylmethacrylaat | 80-62-6 | 1247 |
| Methyltertbutylether | 1634-04-4 | 2398 |
| Mierezuur | 64-18-6 | 1779 |
| Morfoline | 110-91-8 | 2054 |
| N,N-dimethylformamide | 68-12-2 | 2265 |
| n-Amylalcohol | 71-41-0 | 1105 |
| n-Butanol | 71-36-3 | 1120 |
| n-Butylacetaat | 123-86-4 | 1123 |
| n-Butylacrylaat | 141-32-2 | 2348 |
| n-Butylamine | 109-73-9 | 1125 |
| n-Butylmethacrylaat | 97-88-1 | 2227 |
| n-Decylalcohol | 112-30-1 | / |
| n-Hepteen | 592-76-7 | 2278 |
| n-Hexaan | 110-54-3 | 1208 |

| Naam chemische stof | CAS registratie nummer | UN-nummer |
|------------------------------|-------------------------------|------------------|
| n-Hexanol | 111-27-3 | 2282 |
| n-Pentaaan | 109-66-0 | 1265 |
| n-Propylacetaat | 109-60-4 | 1276 |
| Nafta | 8030-30-6 | 1256 |
| Naftaleen | 91-20-3 | 2304 |
| Nafteenzuren | 1338-24-5 | 3082 |
| Natrium | 7440-23-5 | 1428 |
| Natriumbichromaat | 10588-01-9 | 1497 |
| Natriumcacodylaat | 124-65-2 | 1688 |
| Natriumchloraat | 7775-09-9 | 1495 |
| Natriumcyanide | 143-33-9 | / |
| Natriumhydroxide | 1310-73-2 | 1823 |
| Natriumsilicaat | 1344-09-8 | / |
| Natriumsulfide | 1313-82-2 | 1385 |
| Natriumsulfiet | 7757-83-7 | / |
| Nitrobenzeen | 98-95-3 | 1662 |
| Nitroethaan | 79-24-3 | 2842 |
| Nitromethaan | 75-52-5 | 1261 |
| Octaan | 111-65-9 | 1262 |
| Octanol | 111-87-5 | 1987 |
| Oleïnezuur | 112-80-1 | / |
| Ortho-dichloorbenzeen | 95-50-1 | 1591 |
| Ortho-nitrofenol | 88-75-5 | 1663 |
| Ortho-toluidine | 95-53-4 | 1708 |
| Ortho-xyleen | 95-47-6 | 1307 |
| Oxaalzuur | 144-62-7 | / |
| Para-cymeen | 99-87-6 | 2046 |
| Para-xyleen | 106-42-3 | 1307 |
| Polypropyleenglycol | 25322-69-4 | / |
| Propanol | 71-23-8 | 1274 |
| Propionaldehyde | 123-38-6 | 1275 |
| Propionzuur | 79-09-4 | 1848 |
| Propyleenoxide | 75-56-9 | 1280 |
| Pyridine | 110-86-1 | 1282 |
| Styreen (monomeer) | 100-42-5 | 2055 |
| Tert-butylamine | 75-64-9 | 1125 |
| Tetrachloorkoolstof | 56-23-5 | 1846 |
| Tetraethyl dithiopyrofosfaat | 3689-24-5 | 1704 |
| Tetraethyllood | 78-00-2 | 1649 |
| Tetraethylpyrofosfaat | 107-49-3 | 1705 |
| Tetrafosfor | 7723-14-0 | 1381 |
| Tetrahydrofuraan | 109-99-9 | 2056 |
| Tetrahydronaftaleen | 119-64-2 | / |
| Tetramethyllood | 75-74-1 | 1649 |
| Thioglycolzuur | 68-11-1 | 1940 |
| Tolueen | 108-88-3 | 1294 |
| Tolueendiisocyanaat | 584-84-9 | 2078 |
| Trichloorethyleen | 79-01-6 | 1710 |
| Tricresylfosfaat | 1330-78-5 | 2574 |
| Triethanolamine | 102-71-6 | 1760 |
| Triethylamine | 121-44-8 | 1296 |
| Triethyleenglycol | 112-27-6 | / |
| Trimethylamine | 75-50-3 | 1083 |

| <u>Naam chemische stof</u> | <u>CAS registratie nummer</u> | <u>UN-nummer</u> |
|----------------------------|-------------------------------|------------------|
| Trimethylnaftaleen | 829-26-5 | / |
| Uranylnitraat | 10102-06-4 | 2981 |
| Valeraldehyde | 110-62-3 | 2058 |
| Vinylacetaat | 108-05-4 | 1301 |
| Vinylideenchloride | 75-35-4 | 1303 |
| Waterstofperoxyde | 7722-84-1 | 2015 |
| Zoutzuur | 7647-01-0 | 1789 |
| Zwavel | 7704-34-9 | 2448 |
| Zwaveldioxide | 7446-09-5 | 1079 |
| Zwavelzuuroplossing | 7664-93-9 | 1832 |

CHEMISCHE GEGEVENS:**Naam chemische stof:** 1,1,1-Trichloorethaan**Chemische formule:** C2 H3 Cl3**Moleculair gewicht:** 133,4**Densiteit (g/l):** 1 320**Dampdruk (Pa):** 13 330**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 71-55-6**UN-nummer:** 2831**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-----------------------------|
| Vissen F | Pimephales promelas | 1.04g;49mm | EC50im. | flow through | 96 | 12 | 11.1 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1.04g;49mm | EC50im. | flow through | 24 | 12 | 12.1 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1.04g;49mm | LC50 | flow through | 72 | 12 | 55.4 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1.04g;49mm | LC50 | flow through | 96 | 12 | 52.8 | nr. 973: Alexander, 1978 |
| Vissen F | Lepomis macrochirus | juv.;0.32-1g | LC50 | static | 96 | 21-23 | 40 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv.;0.32-1g | LC50 | static | 24 | 21-23 | 40 | nr. 5590: Buccafusco, 1981 |
| Vissen M | Cyprinidon variegatus | ND | LC50 | static | 96 | ND | 71 | nr. 6334: Heitmuelier, 1981 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 2348 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 530 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases**

R20 = harmful by inhalation

R21 = harmful in contact with skin

R22 = harmful if swallowed

Safety phrases

S9 = keep container in a well ventilated place

CHEMISCHE GEGEVENS:

Naam chemische stof: 1,1,2,2-Tetrachloorethaan

Chemische formule: C₂ H₂ Cl₄

CAS registratie nummer: 79-34-5

Moleculair gewicht: 167,84

UN-nummer: 1702

Densiteit (g/l): 1 595

Dampdruk (Pa): 12 100

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: Z

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: X

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-----------------------------|
| Vissen F | Pimephales promelas | 32d | LC50 | flow through | 96 | 25.6 | 20.3 | nr. 12447: Geiger, 1985 |
| Vissen F | Lepomis macrochirus | juv.; 0.32-1g | LC50 | static | 96 | 21-23 | 21 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv.; 0.32-1g | LC50 | static | 24 | 21-23 | 21 | nr. 5590: Buccafusco, 1981 |
| Vissen M | Cyprinodon variegatus | ND | LC50 | ND | 96 | ND | 12 | nr. 6334: Heitmueller, 1981 |
| Zoöplankton F | Daphnia magna | juv. | EC50im. | ND | 48 | 20 | 23 | nr. 15981: Richter, 1983 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 9.3 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 18 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

Safety phrases

S2 = keep out of reach of children

S38 = in case of insufficient ventilation wear suitable respiratory equipment

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** 1,2,4-Trimethylbenzeen**Chemische formule:** C₉H₁₂**Moleculair gewicht:** 120,2**Densiteit (g/l):** 880**Dampdruk (Pa):** 10 100**Oplosbaarheid (g/l):** 0,057**Pow:** 3,2**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 95-63-6**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|--------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------|
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 96 | 21 | 5.4 | nr. 420: Tatem, 1978 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 48 | 21 | 5.6 | nr. 420: Tatem, 1978 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 24 | 21 | 7 | nr. 420: Tatem, 1978 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 1,3,5-Trimethylbenzeen**Chemische formule:** C₉H₁₂**Moleculair gewicht:** 120,21**Densiteit (g/l):** 800**Dampdruk (Pa):** 10 100**Oplosbaarheid (g/l):** 43**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 108-67-8**UN-nummer:** 2325**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|-----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Fytoplankton | Scenedesmus subspicatus | log gro phase | EC50 gr. | static | 48 | 24 | 53 | nr. 2997: Kuhn, 1990 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | ND | 14.18 | nr. 2408: Price, 1974 |
| Vissen F | Carassius auratus | 20-80g, 1-1.5 year, 13-20cm | LC50 | flow through | 96 | 17-19 | 12.52 | nr. 416: Brenniman, 1976 |
| Vissen F | Carassius auratus | 20-80g, 1-1.5 year, 13-20cm | LC50 | flow through | 72 | 17-19 | 13.65 | nr. 416: Brenniman, 1976 |
| Vissen F | Carassius auratus | 20-80g, 1-1.5 year, 13-20cm | LC50 | flow through | 48 | 17-19 | 16.17 | nr. 416: Brenniman, 1976 |
| Vissen F | Carassius auratus | 20-80g, 1-1.5 year, 13-20cm | LC50 | flow through | 24 | 17-19 | 20.57 | nr. 416: Brenniman, 1976 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | static | 24 | 25 | 50 | nr. 2997: Kuhn, 1990 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 1,3-Dimethylnaftaleen**Chemische formule:** C12 H12**CAS registratie nummer:** 575-41-7**Moleculair gewicht:** 156,23**UN-nummer:** /**Densiteit (g/l):** 980**Dampdruk (Pa):** ?**Oplosbaarheid (g/l):** 0,0024 (in zeewater)**Pow:** ?**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** /**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** ?**Gesamp E:** X**Gedrag:** ?**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------------|
| Vissen F | Oncorhynchus mykiss | fry, 13-21d | LC50 | static | 96 | 12 | 1.7 | nr. 138: Edsall, 1991 |
| Vissen M | Gadus morhua | egg | LET | static | 96 | 5 | 0.310 | nr. 11180: Saethre, 1984 |
| Vissen M | Gadus morhua | egg, <2h post fer | LET | static | 48 | 5 | 0.74 | nr. 11184: Falk-Petersen, 1982 |
| Zoöplankton F | Daphnia pulex | juv. | EC50im | static | 48 | 20 | 0.767 | nr. 3283: Smith, 1988 |
| Zoöplankton F | Daphnia pulex | juv. | EC50im | static | 48 | 17 | 1.28 | nr. 12730: Passino, 1987 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 1,4-Dioxaan**Chemische formule:** C4 H8 O2**Moleculair gewicht:** 88,12**Densiteit (g/l):** 1 036**Dampdruk (Pa):** 4 100**Oplosbaarheid (g/l):** 1 036**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 123-91-1**UN-nummer:** 1165**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 575 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Chilomonas paramecium | ND | PGR | static | 48 | 20 | > 100 | nr. 5719: Bringmann, 1980 |
| Vissen F | Pimephales promelas | 27-33d, 18.2mm, 0.092g | LC50 | flow through | 96 | 22 | 9850 | nr. 3217: Geiger, 1990 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 6700 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 21 | 8450 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 4700 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

R19 = may form explosive peroxides

R20 = harmful by inhalation

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** 1-Heptanol**Chemische formule:** C7 H16 O**Moleculair gewicht:** 116,23**Densiteit (g/l):** 822**Dampdruk (Pa):** 100**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 111-70-6**UN-nummer:** 1987**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 1**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** F**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Invertebraten M | Nitocra spinipes | 0.6-0.8mm, adult | LC50 | static | 96 | 10 | 210 | nr. 5185: Linden, 1979 |
| Invertebraten M | Nitocra spinipes | adult (3-6 weken) | LC50 | ND | 96 | 21 | 210 | nr. 10870: Bengtsson, 1984 |
| Invertebraten M | Nitocra spinipes | adult (3-6 weken) | LC50 | ND | 96 | 21 | 169 | nr. 10870: Bengtsson, 1984 |
| Vissen F | Pimephales promelas | 31d, 18.1 mm, 0.1g | LC50 | flow through | 96 | 25.5 | 34.5 | nr. 12858: Geiger, 1986 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 94 | nr. 5718 : Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 82 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 1-Methylnaftaleen**Chemische formule:** C₁₁H₂₀**Moleculair gewicht:** 142,2**Densiteit (g/l):** 1 020**Dampdruk (Pa):** ?**Oplosbaarheid (g/l):** 0,027 bij 20°C**Pow:** 3,8**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 90-12-0**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 3**Gesamp D:** 0**Gesamp E:** X**Persistentie:** ?**Carcinogeen:** ?**Gedrag:** ?**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 2.556 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Artemia salina | nauplii | EC50im | static | 24 | 19 | 1.61 | nr. 11322: Foster, 1984 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 96 | 13 | 1.9 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 48 | 13 | 8.2 | nr. 5035: Caldwell, 1977 |
| Vissen F | Pimephales promelas | juv., 4-8weken, 1.1-3.1cm | LC50 | static | 96 | 20 | 9 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8weken, 1.1-3.1cm | LC50 | static | 72 | 20 | 9 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8weken, 1.1-3.1cm | LC50 | static | 48 | 20 | 9 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8weken, 1.1-3.1cm | LC50 | static | 24 | 20 | 9 | nr. 719: Mattson, 1976 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 1.42 | nr. 11936: Bobra, 1983 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

CHEMISCHE GEGEVENS:

Naam chemische stof: 1-Methylpyrrolidone

Chemische formule: C5 H11 N

Moleculair gewicht: 85,17

Densiteit (g/l): 1 030

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 1 030

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 120-94-5

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Gesamp D: 0

Gesamp E: 0

Persistentie: ?

Carcinogeen: N

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Vissen F | Oncorhynchus mykiss | fry, 13-21d | LC50 | ND | 96 | 12 | 36.5 | nr. 138: Edsall, 1991 |
| Zoöplankton F | Daphnia pulex | juv. | EC50im | static | 48 | 20 | 2.08 | nr. 13161: Perry, 1988 |
| Zoöplankton F | Daphnia pulex | juv. | EC50im | static | 48 | 17 | 4.64 | nr. 12730: Passino, 1987 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 2,4-Dichlorofenol**Chemische formule:** C6 H4 Cl2 O**CAS registratie nummer:** 120-83-2**Moleculair gewicht:** 163**UN-nummer:** 2020**Densiteit (g/l):** 1 400**Dampdruk (Pa):** 100**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|--------------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | ND | 72 | 27 | 0.5 | nr. 5719: Bringmann, 1980 |
| Fytoplankton F | Scenedesmus subspicatus | log gro. phase | EC50gr. | static | 48 | 24 | 57 | nr. 2997: Kuhn, 1990 |
| Fytoplankton F | Selenastrum capricornutum | expo. gro. phase | EC50gr. | static | 48 | 21 | 14 | nr. 13171: Shigeoka, 1988 |
| Fytoplankton F | Scenedesmus quadricauda | ND | PGR | ND | ND | 27 | 3.6 | nr. 5718: Bringmann, 1977 |
| Fytoplankton F | Chlorella vulgaris | expo. gro. phase | EC50gr. | static | 96 | 21 | 9.2 | nr. 13171: Shigeoka, 1988 |
| Vissen F | Pimephales promelas | 30-35 d. | LC50 | flow through | 96 | 25 | 8.2 | nr. 2189: Phipps, 1981 |
| Vissen F | Brachydanio rerio | ND | LC50 | ND | 96 | ND | 3.9 | nr. 11037: Wellens, 1982 |
| Vissen F | Oncorhynchus mykiss | stdlength; 1.2-3.8g; 4.6-6.4cm | LC50 | flow through | 96 | 14.1-1 | 2.6 | nr. 10688: Hodson, 1984 |
| Vissen F | Carassius auratus | 2g | LC50 | renewal | 24 | 20 | 7.8 | nr. 872: Kobayashi, 1979 |
| Vissen F | Carassius auratus | eggs, 4d post hatch | LC50 | ND | 96 | 18.2-2 | 1.24 | nr. 563: Birge, 1979 |
| Vissen F | Pimephales promelas | 30d | LC50 | flow through | 96 | 25.4 | 7.75 | nr. 12447: Geiger, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | ND | 24 | 20-22 | 11 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | static | 24 | 20 | 2.5 | nr. 2997: Kuhn, 1990 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | static | 48 | 20 | 1.4 | nr. 2997: Kuhn, 1990 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | ND | 24 | 22 | 10 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | ND | 48 | 18 | 2.61 | nr. 2120: Kopperman, 1974 |
| Zoöplankton F | Daphnia magna | 24-72h | LC50 | ND | 24 | 17 | 51.9 | nr. 6441: Dence, 1980 |

| | | | | | | | | |
|---------------|---------------|------|------|----|----|----|------|---|
| Zoöplankton F | Daphnia magna | ND | EC50 | ND | 24 | ND | 2.68 | nr. 5858: W. Beirat der Bundesärztekammer, 1989 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | ND | 24 | 25 | 3.9 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | ND | 24 | 20 | 2.5 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | ND | 48 | 20 | 1.4 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | ND | 48 | 22 | 2.6 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 2-Ethylhexanol**Chemische formule:** C₈ H₁₈ O**Moleculair gewicht:** 130,26**Densiteit (g/l):** 834**Dampdruk (Pa):** 7**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 104-76-7**UN-nummer:** 1987**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** X**Gedrag:** F**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|---|---------------|--------------|----------|-----------|-------------|-------------------------|
| Fytoplankton F | Chlorella emersonii | init.conc. : 0.16µg chlor/cm ³ | EC50 | static | 48 | 25 | 10-50 | nr. 874: Dave, 1979 |
| Invertebraten M | Artemia salina | nauplii | LC50 | ND | 24 | 24 | 19 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 34d; 21.9mm;0.163g | LC50 | flow through | 96 | 24.2 | 28.2 | nr. 12447: Geiger, 1985 |
| Vissen F | Oncorhynchus mykiss | 20g | LC50 | ND | 96 | 15 | 32-37 | nr. 969: Dave, 1978 |
| Vissen F | Oncorhynchus mykiss | fry, 0.15g | LC50 | static | 120 | 15 | 24 | nr. 874: Dave, 1979 |
| Vissen F | Oncorhynchus mykiss | fry, 0.15g | LC50 | static | 120 | 20 | <7.5 | nr. 874: Dave, 1979 |
| Vissen F | Oncorhynchus mykiss | fry, 0.15g | LC50 | static | 96 | 20 | <7.5 | nr. 874: Dave, 1979 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 2-Ethylhexylacrylaat**Chemische formule:** C₁₁ H₂₀ O₂**CAS registratie nummer:** 103-11-7**Moleculair gewicht:** 184,31**UN-nummer:** 1760**Densiteit (g/l):** 885**Dampdruk (Pa):** 13**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** F**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|----------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 55 | nr. 15134: Bringmann, 1978 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 72 | nr. 2408: Price, 1974 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 10 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

| Risk phrases | Safety phrases |
|---------------------------------------|----------------|
| R37= irritating to respiratory system | / |
| R38 = irritaing to skin | |

CHEMISCHE GEGEVENS:**Naam chemische stof:** 2-Hydroxyethylacrylaat**Chemische formule:** C5 H8 O3**CAS registratie nummer:** 818-61-1**Moleculair gewicht:** 116,13**UN-nummer:** /**Densiteit (g/l):** 1 100**Dampdruk (Pa):** 10 100**Oplosbaarheid (g/l):** 1 100**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** ?**Gesamp E:** XX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------|
| Vissen F | Pimephales promelas | juv.;28d;18.5mm;0.110g | LC50 | ND | 96 | 24.5 | 4.8 | nr. 12858: Geiger, 1986 |
| Vissen F | Pimephales promelas | juv.;28-34d;0.134g;20.9mm | LC50 | flow through | 96 | ND | 4.8 | nr. 13120: Russom, 1988 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: 2-Methyl-5-ethylpyridine

Chemische formule: C8 H11 N

CAS registratie nummer: 104-90-5

Moleculair gewicht: 121,20

UN-nummer: 2300

Densiteit (g/l): 722

Dampdruk (Pa): 120

Oplosbaarheid (g/l): 9

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: FD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------|
| Vissen F | Pimephales promelas | 33 d; 24.7 mm; 0.259g | LC50 | flow through | 96 | 26.2 | 81.1 | nr. 12448: Brooke, 1984 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** 2-Methylnaftaleen**Chemische formule:** C11 H10**Moleculair gewicht:** 142,2**Densiteit (g/l):** 990**Dampdruk (Pa):** ?**Oplosbaarheid (g/l):** 0,010**Pow:** 3,8**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 91-57-6**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** (3)**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** ?**Gesamp E:** X**Gedrag:** ?**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|--------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 96 | 13 | 1.3 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 48 | 13 | 5 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Palaemonetes pugio | adult | LC50 | static | 96 | 21 | 1.1 | nr. 420: Tatem, 1978 |
| Invertebraten M | Penaeus aztecus | juv., 0.3g | LC50 | static | 96 | 21 | 0.6 | nr. 420: Tatem, 1978 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 1.49 | nr. 11926: Abernethy, 1986 |
| Zoöplankton M | Eurytemora affinis | ND | LC50 | static | 24 | 15 | 1.5 | nr. 5045: Ott, 1978 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:

Naam chemische stof: 2-Nitropropan

Chemische formule: C₃ H₇ N O₂

Moleculair gewicht: 89,11

Densiteit (g/l): 990

Dampdruk (Pa): 1 733

Oplosbaarheid (g/l): 15

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 79-46-9

UN-nummer: 2608

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Gesamp D: II

Gesamp E: XX

Persistentie: ?

Carcinogeen: Y

Gedrag: FED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | 22 | <210 | nr. 2965: Curtis, 1981 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R20 = harmful by inhalation

R21 = harmful in contact with skin

R22 = harmful if swallowed

Safety phrases

S9 = keep container in a well ventilated place

CHEMISCHE GEGEVENS:**Naam chemische stof:** 4-Nonylfenol**Chemische formule:** C₁₅ H₂₄ O**Moleculair gewicht:** 220,39**Densiteit (g/l):** 949,4**Dampdruk (Pa):** 50**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 104-40-5**UN-nummer:** 3082**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** F**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|
| Invertebraten M | Crangon septimspinosa | 2g | LC50 | renewal 96 | 10 | 10 | 0.3 | Mc. Cleese, 1981 |
| Vissen F | Salmo salar | 8g | LC50 | renewal 96 | 10 | 10 | 0.16 | Mc. Cleese, 1981 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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S23= do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:**Naam chemische stof:** Acetaldehyde**Chemische formule:** C₂ H₄ O**Moleculair gewicht:** 44,1**Densiteit (g/l):** 780**Dampdruk (Pa):** 99 900**Oplosbaarheid (g/l):** 780**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 75-07-0**UN-nummer:** 1089**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 82 | nr. 5719: Bringmann, 1980 |
| Vissen F | Lepomis macrochirus | ND | LC50 | static | 96 | 18 | 53 | nr. 949: Patrick, 1968 |
| Vissen F | Pimephales promelas | 30D, 17.9mm, 0.554g | LC50 | flow through | 96 | 24 | 30.8 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 27-33 D, 17.5 MM, 0.078 G | LC50 | flow through | 96 | 21.6 | 37,2 | nr. 3217: Geiger, 1990. |
| Vissen F | Lepomis macrochirus | 5.3-7.2 CM, 3.5-3.9 G | LC50 | static | 96 | 18 | 153 | nr. 2406: Cairns, 1968 |
| Vissen M | Lagodon rhomboides | 57-113 MM | LC50 | static | 24 | 13.7-2 | 70 | nr. 933: Daugherty, 1951 |
| Zoöplankton F | Ceriodaphnia dubia | ND | LC50 | static | 48 | 20 | 6386 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Daphnia magna | 1st instar, < 24 h | EC 50 im | static | 48 | 22 | 48.25 | nr. 2193: Randall, 1980 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 20 | 13248 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 20 | 11853 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 20 | 11967 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 24 | 10860 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 24 | 9268 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Ceriodaphnia dubia | ND | LC50 | static | 48 | 20 | 6772 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Ceriodaphnia dubia | ND | LC50 | static | 48 | 20 | 6325 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Ceriodaphnia dubia | ND | LC50 | static | 48 | 24 | 5577 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Ceriodaphnia dubia | ND | LC50 | static | 48 | 24 | 6076 | nr. 12598: Takahashi, 1987 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 24 | 12820 | nr. 12598: Takahashi, 1987 |

RISK AND SAFETY PHRASES:

Risk phrases

R12 = extremely flammable

R36 = irritating to eyes

R37 = irritating to respiratory system

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Aceton**Chemische formule:** C3 H6 O**Moleculair gewicht:** 58,09**Densiteit (g/l):** 791**Dampdruk (Pa):** 22 599**Oplosbaarheid (g/l):** 791**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 67-64-1**UN-nummer:** 1090**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Fytoplankton M | Skeletonema costatum | 10000cells/ml | PGR | static | 5d. | 20 | 11798 | nr. 2233: Cowgill, 1989 |
| Fytoplankton M | Skeletonema costatum | 380-38000 cells/ml | PGR | static | 5d. | 20 | 10000 | nr. 9856: Kleppel, 1980 |
| Fytoplankton M | Skeletonema costatum | 10000cells/ml | PGR | static | 5d. | 20 | 14444 | nr. 2233: Cowgill, 1989 |
| Invertebraten M | Nitocra spinipes | 0.6-0.8mm, adults | LC50 | static | 96 | 10 | 16700 | nr. 5185: Linden, 1979 |
| Invertebraten M | Artemia salina | nauplii | LC50 | ND | 24 | 24 | 2100 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 32d, 18mm, 0.087g | LC50 | flow through | 96 | 24.5 | 6120 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 28d, 19mm, 0.076g | LC50 | flow through | 96 | 25.4 | 7280 | nr. 12448: Brooke, 1984 |
| Vissen F | Salvelinus fontinalis | ND | LC50 | ND | 96 | ND | 6070 | nr. 2470: Cardwell, 1978 |
| Vissen F | Pimephales promelas | 33d, 22.6mm, 0.159g | LC50 | flow through | 96 | 25 | 8120 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 8140 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 7310 | nr. 10183: Veith, 1983 |
| Vissen F | Oncorhynchus mykiss | fingerling, 9.4cm, 10.8g | LC50 | flow through | 24 | 10 | 6100 | nr. 991: Majewski, 1978 |
| Vissen F | Oncorhynchus mykiss | 1g | LC50 | static | 96 | 12 | 5540 | nr. 666: Johnson, 1980 |
| Vissen F | Poecilia reticulata | 2-3 maand | LC50 | renewal | 14d | 22 | 637 | nr. 6354: Koneman, 1981 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 25.5 | 13000 | nr. 508: Wallen, 1957 |
| Vissen F | Lepomis macrochirus | ND | LC50 | static | 96 | 18 | 8300 | nr. 949: Patrick, 1986 |
| Vissen F | Lepomis macrochirus | fingerling, 38-76 mm | LC0 | static | 96 | 20 | >100 | nr. 2458: Buzzel, 1968 |
| Vissen F | Lepomis macrochirus | ND | LC50 | ND | 96 | ND | 7300 | nr. 2470: Cardwell, 1978 |

| | | | | | | | | |
|---------------|---------------------|--------------------------|---------|--------------|----|----|-------|----------------------------|
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 96 | ND | 9100 | nr. 2470: Cardwell, 1978 |
| Vissen F | Pimephales promelas | juv., 0.2-0.5g | LC50 | static | 96 | 20 | >100 | nr. 11951: Ewell, 1986 |
| Vissen M | Alburnus alburnus | 8cm | LC50 | ND | 96 | 10 | 11000 | nr. 5185: Linden, 1979 |
| Zoöplankton F | Ceriodaphnia dubia | neonates, <12h | LC50 | static | 48 | 25 | 8098 | nr. 212: Cowgill, 1991 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | >100 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 22 | 13500 | nr. 2193: Randall, 1980 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | >100 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | ND | 23500 | nr. 7884: Ziegenfuss, 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 21 | 35000 | nr. 10694: Le Blanc, 1983 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 21 | 31000 | nr. 10694: Le Blanc, 1983 |
| Zoöplankton F | Daphnia magna | 1st en 2nd instar larvae | LC50 | static | 96 | 20 | >100 | nr. 11951: Ewell, 1986 |
| Zoöplankton F | Daphnia pulex | <24h | LC50 | static | 18 | 23 | 1220 | nr. 2192: Bowman 1981 |
| Zoöplankton F | Daphnia magna | neon., <12h | LC50 | static | 48 | 25 | 9218 | nr. 212: Cowgill, 1991 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S23 = do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Acetoncyaanhydrine

Chemische formule: C4 H7 NO

CAS registratie nummer: 75-86-5

Moleculair gewicht: 58,12

UN-nummer: 58,12

Densiteit (g/l): 925

Dampdruk (Pa): 110

Oplosbaarheid (g/l): 925

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Lepomis macrochirus | 33-75mm | LC 50 | static | 96 | 23 | 0.57 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 0.5 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:Risk phrases

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

Safety phrases

S7 = keep container tightly closed

S9 = keep container in a well ventilated place

S27 = take off immediately all contaminated clothing

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Acetonitrile

Chemische formule: C₂ H₃ N

Moleculair gewicht: 41,06

Densiteit (g/l): 787

Dampdruk (Pa): 11 143

Oplosbaarheid (g/l): 787

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 75-05-8

UN-nummer: 1648

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 0

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|--------------------------|-----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 7300 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 520 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 1810 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Chilomonas paramecium | ND | PGR | static | 48 | 20 | 942 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 7300 | nr. 5303: Bringmann, 1980 |
| Invertebraten F | Gammarus fasciatus | juv., 0.007g | LC50 | static | 96 | 20 | > 100 | nr. 11951: Ewell, 1986 |
| Invertebraten F | Palaemonetes kadiakensis | juv. | LC50 | static | 18 | 23 | 5140 | nr. 2192: Bowman, 1981 |
| Invertebraten F | Asellus intermedius | juv., 0.012g | LC50 | static | 96 | 20 | > 100 | nr. 11951: Ewell, 1986 |
| Invertebraten F | Hyaella azteca | juv. | LC50 | static | 18 | 23 | 6530 | nr. 2192: Bowman, 1981 |
| Mollusken F | Helisoma trivolvis | juv., 0.18g | LC50 | static | 96 | 20 | > 100 | nr. 11951: Ewell, 1986 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 24 | 25 | 1150 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 48 | 25 | 1050 | nr. 923: Henderson, 1961 |
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 96 | 25 | 1650 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 96 | 25 | 1000 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | juv., 0.2-0.5g | LC50 | static | 96 | 20 | > 100 | nr. 11951: Ewell, 1986 |
| Vissen F | Pimephales promelas | 26, 27, 31d, 21.1mm, 0.165g | LC50 | flow through | 96 | 26.1 | 1640 | nr. 12448: Brooke, 1984 |
| Vissen F | Lepomis macrochirus | 3.8-5.1cm, 2g | LC50 | static | 24 | 25 | 1850 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | 3.8-5.1cm, 2g | LC50 | static | 96 | 25 | 1850 | nr. 923: Henderson, 1961 |

| | | | | | | | | |
|---------------|---------------------|-------------|------|--------|----|----|-------|------------------------------|
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 24 | 25 | 1650 | nr. 923: Henderson, 1961 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 96 | 20 | > 100 | nr. 11951: Ewell, 1986 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | > 100 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | > 100 | nr. 5718: Bringmann, 1980 |
| Zoöplankton F | Daphnia pulex | juv. | LC50 | static | 18 | 23 | 5810 | nr. 2192: Bowman, 1981 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R23 = toxic by inhalation
R24 = toxic in contact with skin
R25 = toxic if swallowed

Safety phrases

S16= keep away from sources of ignition - no smoking
S27 = take off immediately all contaminated clothing
S44 = if you feel unwell, seek medical advice immediately (show the label where possible)
S9 = keep container in a well ventilated place

CHEMISCHE GEGEVENS:

Naam chemische stof: Acetylchloride

Chemische formule: C₂ H₃ Cl O

Moleculair gewicht: 78,5

Densiteit (g/l): 1 103,9

Dampdruk (Pa): 28 000

Oplosbaarheid (g/l): 66

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 75-36-5

UN-nummer: 1717

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Vissen F | Pimephales promelas | 0.3-1g | LC50 | static | 96 | 22 | 42 | nr. 2965: Curtis, 1981 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

R14 = reacts violently with water

R34 = causes burns

Safety phrases

S16 = keep away from sources of ignition - no smoking

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:**Naam chemische stof:** Acroleïne**Chemische formule:** C₃ H₄ O**Moleculair gewicht:** 56,07**Densiteit (g/l):** 843**Dampdruk (Pa):** 29 681**Oplosbaarheid (g/l):** 241**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 107-02-8**UN-nummer:** 1092**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Vissen F | Gambusia affinis | 3cm, 0.8g | LC50 | static | 48 | 21-22 | 0.061 | nr. 2092: Louder, 1962 |
| Vissen F | Pimephales promelas | 32d, 15.1mm, 0.045g | LC50 | flow through | 96 | 25 | 0.020 | nr. 12859: Geiger, 1988 |
| Vissen F | Pimephales promelas | 0.4g | LC50 | flow through | 96 | 17 | 0.014 | nr. 12665: Holcombe, 1987 |
| Vissen F | Pimephales promelas | 42-46d, | LC50 | flow through | 96 | 17.4 | 0.014 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | 4-5cm, 1.5g | LC50 | static | 24 | 21 | 0.15 | nr. 2092: Louder, 1962 |
| Vissen F | Pimephales promelas | 4-5cm, 1.5g | LC50 | static | 48 | 21 | 0.115 | nr. 2092: Louder, 1962 |
| Vissen F | Gambusia affinis | 3cm, 0.8g | LC50 | static | 24 | 21-22 | 0.149 | nr. 2092: Louder, 1962 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 96 | 22 | 0.090 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | <0.08 | nr. 623: Bridie, 1979 |
| Vissen F | Oncorhynchus mykiss | fingerling, 83-89mm | LC50 | static | 24 | ND | 0.065 | nr. 876: Bond, 1959 |
| Vissen F | Lepomis macrochirus | 3-4cm, 1g | LC50 | static | 96 | 21-22 | 0.1 | nr. 2092: Louder, 1962 |
| Vissen F | Salmo trutta | 49.6 mm (fingerling) | LC50 | flow through | 24 | 15.6 | 0.046 | nr. 938: Burdick, 1964 |
| Vissen F | Lepomis macrochirus | 1.6g | LC50 | flow through | 96 | 17 | 0.033 | nr. 12665: Holcombe, 1987 |
| Vissen F | Oncorhynchus mykiss | 100g | LC50 | static | 96 | ND | 0.029 | nr. 12182: Mc Kim, 1987 |
| Vissen F | Lepomis macrochirus | 3-4cm, 1g | LC50 | static | 72 | 21-22 | 0.1 | nr. 2092: Louder, 1962 |
| Vissen F | Lepomis macrochirus | 3-4cm, 1g | LC50 | static | 48 | 21-22 | 0.125 | nr. 2092: Louder, 1962 |
| Vissen F | Lepomis macrochirus | 3-4cm, 1g | LC50 | static | 24 | 21-22 | 0.14 | nr. 2092: Louder, 1962 |
| Vissen F | Lepomis macrochirus | fingerling, 26.2mm | LC50 | ND | 24 | 15.6 | 0.079 | nr. 938: Burdick, 1964 |

| | | | | | | | | |
|---------------|----------------------|-----------------|---------|--------------|----|----|-------|----------------------------|
| Vissen F | Oncorhynchus mykiss | 2.5g | LC50 | flow through | 96 | 17 | 0.016 | nr. 12665: Holcombe, 1987 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | 0.1 | nr. 5590: Buccafusco, 1981 |
| Vissen M | Oncorhynchus kisutch | Yearling | LC50 | static | 96 | 10 | 0.068 | nr. 561: Lorz, 1979 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 0.23 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 24 | 22 | 0.093 | nr. 2193: Randall, 1980 |
| Zoöplankton F | Daphnia magna | ND | EC50im. | flow through | 48 | 17 | 0.051 | nr. 12665: Holcombe, 1987 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 20 | 0.057 | nr. 632: Macek, 1976 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 0.083 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R23 = toxic by inhalation
R36 = irritating to eyes

R37 = irritating to respiratory system
R38 = irritating to skin

Safety phrases

S29 = do not empty into drains
S33 = take precautionary measures against static discharges
S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Acrylamide**Chemische formule:** C₃ H₅ NO**Moleculair gewicht:** 71,09**Densiteit (g/l):** 1 050**Dampdruk (Pa):** 2 527**Oplosbaarheid (g/l):** 717**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 79-06-1**UN-nummer:** 2074**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Vissen F | Oncorhynchus mykiss | fingerling | LC50 | static | 48 | ND | 210 | nr. 11730: Petersen, 1985 |
| Vissen F | Pimephales promelas | 30d, 18.1mm, 0.089g | LC50 | flow through | 96 | 24 | 109 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | 0.11g, 17mm | LC50 | flow through | 24 | 22 | 320 | nr. 12290: Krautter, 1986 |
| Vissen F | Pimephales promelas | 0.11g, 17mm | LC50 | flow through | 48 | 22 | 230 | nr. 12290: Krautter, 1986 |
| Vissen F | Pimephales promelas | 0.11g, 17mm | LC50 | flow through | 96 | 22 | 120 | nr. 12290: Krautter, 1986 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 460 | nr. 623: Bridie, 1979 |
| Vissen F | Salmo trutta | yearling | LC50 | static | 48 | 10 | 400 | nr. 448: Woodiwiss, 1974 |
| Vissen F | Lepomis macrochirus | 0.23g, 21mm | LC50 | flow through | 96 | 22 | 100 | nr. 12290: Krautter, 1986 |
| Vissen F | Oncorhynchus mykiss | fingerling | LC50 | static | 72 | ND | 170 | nr. 11730: Petersen, 1985 |
| Vissen F | Oncorhynchus mykiss | fingerling | LC50 | static | 96 | ND | 162 | nr. 11730: Petersen, 1985 |
| Vissen F | Oncorhynchus mykiss | 1g, 40mm | LC50 | flow through | 24 | 12 | 370 | nr. 12290: Krautter, 1986 |
| Vissen F | Oncorhynchus mykiss | 1g, 40mm | LC50 | flow through | 48 | 12 | 240 | nr. 12290: Krautter, 1986 |
| Vissen F | Oncorhynchus mykiss | 1g, 40mm | LC50 | flow through | 96 | 12 | 110 | nr. 12290: Krautter, 1986 |
| Vissen F | Heteropneustes fossilis | 80-110g, 16-20cm | LC50 | static | 24 | 23 | 104 | nr. 11998: Shanker, 1986 |
| Vissen F | Heteropneustes fossilis | 80-110g, 16-20cm | LC50 | static | 48 | 23 | 86.8 | nr. 11998: Shanker, 1986 |
| Vissen F | Lepomis macrochirus | 0.23g, 21mm | LC50 | flow through | 24 | 22 | 260 | nr. 12290: Krautter, 1986 |
| Vissen F | Lepomis macrochirus | 0.23g, 21mm | LC50 | flow through | 48 | 22 | 160 | nr. 12290: Krautter, 1986 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 96 | 20 | 160 | nr. 623: Bridie, 1979 |

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|---------------|---------------|------|------|--------------|----|----|-----|------------------------------|
| Zoöplankton F | Daphnia magna | juv. | LC50 | flow through | 24 | 20 | 230 | nr. 12290: Krautter, 1986 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | flow through | 48 | 20 | 160 | nr. 12290: Krautter, 1986 |

RISK AND SAFETY PHRASES:

Risk phrases

R23 = toxic by inhalation

R24 = toxic in contact with skin

R25 = toxic if swallowed

R33 = danger of cumulative effects

Safety phrases

S27 = take off immediately all contaminated clothing

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Acrylonitrile**Chemische formule:** C₃ H₃ N**Moleculair gewicht:** 53,07**Densiteit (g/l):** 807,5**Dampdruk (Pa):** 11 143**Oplosbaarheid (g/l):** 53**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 107-13-1**UN-nummer:** 1093**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Invertebraten M | Crangon crangon | larve | LC50 | static | 24 | 15 | 10.33 | nr. 9258: Portmann, 1972 |
| Vissen F | Lepomis macrochirus | 1.5-3.8cm, 2g | LC50 | static | 24 | 25 | 25.5 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 96 | 25 | 11.1 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | static | 96 | 22 | 23.6 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | static | 48 | 22 | 25.7 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | static | 24 | 22 | 30.3 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | fingerling, 38-76mm | LC50 | static | 96 | 20 | 10 | nr. 2458: Buzzell, 1968 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | flow through | 48 | 22 | 18 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | 1.5-3.8cm, 2g | LC50 | static | 48 | 25 | 14.3 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | flow through | 24 | 22 | 18.7 | nr. 7398: Bailey, 1985 |
| Vissen F | Carassius auratus | ND | LC50 | static | 24 | ND | 24 | nr. 5773: Jensen, 1978 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 48 | 19 | 24 | nr. 8633: Marcoci, 1974 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 24 | 19 | 37.4 | nr. 8633: Marcoci, 1974 |
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 96 | 25 | 33.5 | nr. 923: Henderson, 1961 |
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 48 | 25 | 33.5 | nr. 923: Henderson, 1961 |
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 24 | 25 | 44.6 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | 1.5-3.8cm, 2g | LC50 | static | 96 | 25 | 11.8 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 24 | 25 | 33.5 | nr. 923: Henderson, 1961 |

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|---------------|---------------------|--------------------|---------|--------------|-----|----|-------|----------------------------|
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 48 | 25 | 16.7 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 24 | 25 | 32.7 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 5d | 25 | 8.1 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 96 | 25 | 10.1 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | static | 72 | 22 | 23.6 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 48 | 25 | 14.8 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | flow through | 72 | 22 | 14.7 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 30d | 25 | 2.6 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 25d | 25 | 3.5 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 20d | 25 | 4.2 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 15d | 25 | 5.2 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 10d | 25 | 6.9 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | 0.32-1.2g, juv. | LC50 | static | 96 | 22 | 10 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | 0.32-1.2g, juv. | LC50 | static | 24 | 22 | 28 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv.; 3.65cm, 0.9g | LC50 | flow through | 96 | 22 | 9.3 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | flow through | 72 | 25 | 11.1 | nr. 923: Henderson, 1961 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 13 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 24 | 22 | 10.95 | nr. 2193: Randall, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 7.6 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R23 = toxic by inhalation
R24 = toxic in contact with skin
R25 = toxic if swallowed

Safety phrases

S9 = keep container in a well ventilated place
S16 = keep away from sources of ignition - no smoking
S27 = take off immediately all contaminated clothing
S29 = do not empty into drains
S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Acrylzuur**Chemische formule:** C3 H4 O2**Moleculair gewicht:** 72,07**Densiteit (g/l):** 1 049,7**Dampdruk (Pa):** 1 399**Oplosbaarheid (g/l):** 1 049,7**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 79-10-7**UN-nummer:** 2218**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 0.9 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 0.15 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 20 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 18 | nr. 5303: Bringmann, 1980 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 765 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R34 = causes burns

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 = wear suitable protective clothing

CHEMISCHE GEGEVENS:**Naam chemische stof:** Adiponitrile**Chemische formule:** C6 H8 N2**Moleculair gewicht:** 108,16**Densiteit (g/l):** 961,1**Dampdruk (Pa):** 10**Oplosbaarheid (g/l):** 41**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 111-69-3**UN-nummer:** 2205**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** FD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-----------------------------|
| Vissen F | Lepomis macrochirus | 3.8-5.1cm, 2g | LC50 | static | 96 | 25 | 720 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | 3.8-5.1cm, 2g | LC50 | static | 48 | 25 | 815 | nr. 923: Henderson, 1961 |
| Vissen F | Lepomis macrochirus | 3.8-5.1cm, 2g | LC50 | static | 24 | 25 | 1250 | nr. 923: Henderson, 1961 |
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 24 | 25 | 1200 | nr. 923: Henderson, 1961 |
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 96 | 25 | 775 | nr. 923: Henderson, 1961 |
| Vissen F | Poecilia reticulata | 2.5cm, 0.1g | LC50 | static | 48 | 25 | 830 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 28d, 18mm, 0.091g | LC50 | flow through | 96 | 26.2 | 1930 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 96 | 25 | 1250 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 48 | 25 | 1300 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 24 | 25 | 1350 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 96 | 25 | 820 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 48 | 25 | 835 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4cm, 1.5g | LC50 | static | 24 | 25 | 835 | nr. 923: Henderson, 1961 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 445 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Aldrin**Chemische formule:** C₁₂ H₈ Cl₆**Moleculair gewicht:** 364,9**Densiteit (g/l):** 1 600**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 309-00-2**UN-nummer:** 2761**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Invertebraten M | Crangon septimspinosa | 26mm, 0.25g | LC50 | static | 48 | 20 | 0.014 | nr. 627: Eisler, 1969 |
| Invertebraten M | Crangon septimspinosa | 26mm, 0.25g | LC50 | static | 24 | 20 | 0.03 | nr. 627: Eisler, 1969 |
| Mollusken M | Crassostrea virginica | 2.5-5.1cm | EC50gr. | flow through | 96 | 30 | 0.025 | nr. 646: Butler, 1964 |
| Mollusken M | Crassostrea virginica | juv. | EC50gr. | static | 96 | 11 | 0.055 | nr. 646: Butler, 1964 |
| Mollusken M | Crassostrea virginica | juv. | EC50gr. | static | 96 | 30 | 0.025 | nr. 646: Butler, 1964 |
| Vissen F | Cyprinus carpio | ND | LC50 | static | 24 | 15 | 0.42 | nr. 5761: Hashimoto, 1981 |
| Vissen F | Cyprinus carpio | ND | LC50 | static | 24 | 20 | 0.2 | nr. 5761: Hashimoto, 1981 |
| Vissen F | Cyprinus carpio | 4-5cm | LC50 | renewal | 24 | 27 | 0.005 | nr. 2077: Rao, 1975 |
| Vissen F | Cyprinus carpio | 4-5cm | LC50 | renewal | 48 | 27 | 0.004 | nr. 2077: Rao, 1975 |
| Vissen F | Oncorhynchus mykiss | 0.6-1.5 g | LC50 | static | 48 | 7.2 | 0.003 | nr. 2085: Macek, 1969 |
| Vissen F | Oncorhynchus mykiss | 0.6g | LC50 | static | 96 | 13 | 0.003 | nr. 666: Johnson, 1980 |
| Vissen F | Gambusia affinis | ND | LC50 | static | 96 | 16 | 0.007 | nr. 6033: Mills, 1977 |
| Vissen F | Poecilia reticulata | 2.68g | LC50 | renewal | 96 | 25.5 | 0.017 | nr. 10646: Gupta, 1984 |
| Vissen F | Oncorhynchus mykiss | 0.6-1.5 g | LC50 | static | 24 | 1.6 | 0.024 | nr. 2085: Macek, 1969 |
| Vissen F | Gambusia affinis | 2-5.8cm | LC50 | flow through | 96 | 16 | 0.002 | nr. 6033: Mills, 1977 |
| Vissen F | Oncorhynchus mykiss | 0.6-1.5 g | LC50 | static | 24 | 7.2 | 0.008 | nr. 2085: Macek, 1969 |
| Vissen F | Cyprinus carpio | 4-5cm | LC50 | renewal | 96 | 27 | 0.004 | nr. 2077: Rao, 1975 |
| Vissen F | Lepomis macrochirus | 0.6-1.5g | LC50 | static | 96 | 18.3 | 0.006 | nr. 2085: Macek, 1969 |

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|---------------|-----------------------|-------------------|---------|-------------|------|-------|--------------------------|
| Vissen F | Poecilia reticulata | 2.68g | LC50 | renewal 72 | 25.5 | 0.035 | nr. 10646: Gupta, 1984 |
| Vissen F | Poecilia reticulata | 2.68g | LC50 | renewal 48 | 25.5 | 0.065 | nr. 10646: Gupta, 1984 |
| Vissen F | Poecilia reticulata | 2.68g | LC50 | renewal 24 | 25.5 | 0.289 | nr. 10646: Gupta, 1984 |
| Vissen F | Poecilia reticulata | 2.68g | LC50 | renewal 12h | 25.5 | 0.59 | nr. 10646: Gupta, 1984 |
| Vissen F | Pimephales promelas | 0.6g | LC50 | static 96 | 18 | 0.008 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | 0.6-1.5 g | LC50 | static 48 | 1.6 | 0.003 | nr. 2085: Macek, 1969 |
| Vissen F | Lepomis macrochirus | 0.6-1.5g | LC50 | static 24 | 24 | 0.01 | nr. 2085: Macek, 1969 |
| Vissen F | Oncorhynchus mykiss | 0.6-1.5 g | LC50 | static 24 | 12.7 | 0.007 | nr. 2085: Macek, 1969 |
| Vissen F | Lepomis macrochirus | 0.6-1.5g | LC50 | static 24 | 18.3 | 0.016 | nr. 2085: Macek, 1969 |
| Vissen F | Lepomis macrochirus | 0.6-1.5g | LC50 | static 96 | 12.7 | 0.008 | nr. 2085: Macek, 1969 |
| Vissen F | Lepomis macrochirus | 0.6-1.5g | LC50 | static 24 | 12.7 | 0.036 | nr. 2085: Macek, 1969 |
| Vissen F | Lepomis macrochirus | 0.7g | LC50 | static 96 | 18 | 0.006 | nr. 666: Johnson, 1980 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static 96 | 25 | 0.008 | nr. 936: Henderson, 1959 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static 96 | 25 | 0.013 | nr. 936: Henderson, 1959 |
| Vissen F | Oncorhynchus mykiss | 0.6-1.5 g | LC50 | static 48 | 12.7 | 0.002 | nr. 2085: Macek, 1969 |
| Vissen F | Lepomis macrochirus | 0.6-1.5g | LC50 | static 96 | 24 | 0.005 | nr. 2085: Macek, 1969 |
| Vissen M | Menidia beryllina | 57mm, 2g | LC50 | static 24 | 20 | 0.045 | nr. 628: Eisler, 1970 |
| Vissen M | Menidia beryllina | 57mm, 2g | LC50 | static 48 | 20 | 0.02 | nr. 628: Eisler, 1970 |
| Vissen M | Menidia beryllina | 57mm, 2g | LC50 | static 96 | 20 | 0.013 | nr. 628: Eisler, 1970 |
| Vissen M | Oncorhynchus kisutsch | 56-72mm, 2.7-4.1g | LC50 | static 48 | 20 | 0.024 | nr. 522: Katz, 1961 |
| Vissen M | Oncorhynchus kisutsch | 56-72mm, 2.7-4.1g | LC50 | static 96 | 20 | 0.018 | nr. 522: Katz, 1961 |
| Vissen M | Oncorhynchus kisutsch | 56-72mm, 2.7-4.1g | LC50 | static 72 | 20 | 0.02 | nr. 522: Katz, 1961 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | renewal 24 | 19 | 0.03 | nr. 2820: Frear, 1967 |
| Zoöplankton F | Daphnia pulex | 1st instar | EC50im. | static 48 | 15 | 0.028 | nr. 666: Johnson, 1980 |
| Zoöplankton F | Daphnia pulex | 1st instar | EC50im. | static 48 | 15.6 | 0.028 | nr. 888: Sanders, 1966 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

R12 = extremely flammable

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CHEMISCHE GEGEVENS:

Naam chemische stof: alfa-Caprolactam

Chemische formule: C6 H11 N O

Moleculair gewicht: 113,18

Densiteit (g/l): 1 020

Dampdruk (Pa): 373

Oplosbaarheid (g/l): 460

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 105-60-2

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Gesamp D: 0

Gesamp E: 0

Persistentie: ?

Carcinogeen: N

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|

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RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: alfa-Pineen

Chemische formule: C₁₀ H₁₆

Moleculair gewicht: 136,26

Densiteit (g/l): 860

Dampdruk (Pa): 665

Oplosbaarheid (g/l): 9

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 80-56-8

UN-nummer: 2368

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 3

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: FED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Zoöplankton F | Daphnia magna | < 24h | LC50 | static | 48 | 22 | 41 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | < 24h | LC50 | static | 24 | 22 | 68 | nr. 5184: LeBlanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Allylcohol**Chemische formule:** C₃ H₆ O**Moleculair gewicht:** 58,09**Densiteit (g/l):** 852**Dampdruk (Pa):** 2 400**Oplosbaarheid (g/l):** 852**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 107-18-6**UN-nummer:** 1098**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Invertebraten F | Asellus intermedius | juv., 0.012g | LC50 | static | 96 | 20 | 1 | nr. 11951: Ewell, 1986 |
| Invertebraten F | Asellus intermedius | juv., 0.012g | LC50 | static | 96 | 20 | 0.32 | nr. 11951: Ewell, 1986 |
| Invertebraten F | Gammarus fasciatus | juv., 0.007g | LC50 | static | 96 | 20 | 4.9 | nr. 11951: Ewell, 1986 |
| Invertebraten F | Gammarus fasciatus | juv., 0.007g | LC50 | static | 96 | 20 | 21 | nr. 11951: Ewell, 1986 |
| Invertebraten M | Crangon crangon | larval | LC50 | static | 48 | 15 | 1-10 | nr. 9258: Portmann, 1972 |
| Mollusken F | Heliosoma trivolvis | juv, 0.18g | LC50 | static | 96 | 20 | 4.8 | nr. 11951: Ewell, 1986 |
| Mollusken M | Cerastoderma edule | larval | LC50 | static | 48 | 15 | > 100 | nr. 9258: Portmann, 1972 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 1 | nr. 623: Bridie, 1979 |
| Vissen F | Pimephales promelas | juv., 0.2-0.5g | LC50 | static | 96 | 20 | 0.32 | nr. 11951: Ewell, 1986 |
| Vissen F | Pimephales promelas | 28d, 18.6mm, 0.098g | LC50 | flow through | 96 | 24.6 | 0.32 | nr. 3217: Geiger, 1990 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 96 | 20 | 0.4 | nr. 11951: Ewell, 1986 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 96 | 20 | 0.25 | nr. 11951: Ewell, 1986 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

R26 = very toxic by inhalation

R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S16 = keep away from sources of ignition - no smoking

S39 = wear eye/face protection

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Allylchloride**Chemische formule:** C3 H5 Cl**Moleculair gewicht:** 76,53**Densiteit (g/l):** 938**Dampdruk (Pa):** 40 014**Oplosbaarheid (g/l):** 3**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 107-05-1**UN-nummer:** 1100**GESAMP HAZARD PROFILE:****Gesamp A:** 2**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** E**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|--------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Scenedesmus quadricauda | ? | PGR | static | 8d | 27 | 6.3 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 8.4 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Chilomonas paramecium | ? | PGR | ? | 48 | 20 | 8.6 | nr. 5719: Bringmann, 1980 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 24 (so | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 26.56 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 20.87 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 20.87 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 24 (so | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6mo, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 51.08 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 19.78 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 25.86 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 24 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 24 (h | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 59.3 (| nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6mo, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 57.68 | nr. 728: Pickering, 1966 |

| | | | | | | | | |
|-------------|---------------------|-----------------------------|------|--------|----|----|-------|------------------------------|
| Vissen F | Poecilia reticulata | 6mo, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 53.54 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 10 | nr. 623: Bridie, 1979 |
| Zoöplankton | Daphnia magna | 24h | LC50 | static | 24 | 21 | 250 | nr. 5718: Bringmann, 1978 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R26 = very toxic by inhalation

Safety phrases

S16 = keep away from sources of ignition - no smoking
S29 = do not empty into drains
S33 = take precautionary measures against static discharges
S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ammoniumnitraat**Chemische formule:** H N O3.H3 N**Moleculair gewicht:** 80,06**Densiteit (g/l):** 1 700**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 1 700**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 6484-52-2**UN-nummer:** 1942**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Vissen F | Cyprinus carpio | fry, >= age 0; 32.6 g | LC50 | renewal | 48 | 13.5 | 74 | nr. 12711: Dabrowska, 1986 |
| Vissen F | Cyprinus carpio | fry, >= age 0; 32.6 g | LC50 | renewal | 48 | 13.1 | 79 | nr. 12711: Dabrowska, 1986 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Aniline**Chemische formule:** C6 H7 N**Moleculair gewicht:** 93,14**Densiteit (g/l):** 1 022**Dampdruk (Pa):** 40**Oplosbaarheid (g/l):** 30**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 62-53-3**UN-nummer:** 1547**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** FD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------------|
| Mollusken F | Lymnaea stagnalis | / | LC50 | static | 96 | 28 | 800 | nr. 770: Das, 1988 |
| Vissen F | Pimephales promelas | juv., 28d | LC50 | / | 96 | 25 | 65 | nr. 12858: Geiger, 1986 |
| Vissen F | Poecilia reticulata | / | LC50 | / | 96 | / | 100 | nr. 11455: Van Leeuwen, 1985 |
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC50 | static | 96 | 25 | 165 | nr. 10132: Tonogai, 1982 |
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC50 | static | 48 | 25 | 170 | nr. 10132: Tonogai, 1982 |
| Zoöplankton F | Daphnia pulex | juv. | LC50 | static | 48 | 21 | 0.1 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 21 | 0.64 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases**

R23 = toxic by inhalation

R24 = toxic in contact with skin

R25 = toxic if swallowed

R33 = danger of cumulative effects

Safety phrases

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S36 = wear suitable protective clothing

S37 = wear suitable gloves

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Antimoonkaliumtartraat

Chemische formule: C4 H4 O7 Sb.K

CAS registratie nummer: 28300-74-5

Moleculair gewicht: 324,93

UN-nummer: 1551

Densiteit (g/l): 2 600

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 193

Pow: 0

Aggregatietoestand: Vaste stof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: 1

Carcinogeen: N

Gesamp E: 0

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|--------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------------|
| Fytoplankton M | Thalassiosira aestivalis | late log phase | PGR | static | 48 | 12 | 0.1 | nr. 5282: Hollibaugh, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Antimoontrichloride**Chemische formule:** Cl₃ Sb**Moleculair gewicht:** 228**Densiteit (g/l):** 3 100**Dampdruk (Pa):** 130**Oplosbaarheid (g/l):** 341**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 10025-91-9**UN-nummer:** 1733**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 1**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Invertebraten M | Palaemon serratus | zoeae I | LC50 | static | 96 | 15 | 5.34- | nr. 6097: Amiard, 1976 |
| Invertebraten M | Palaemon serratus | adult | LC50 | static | 96 | 15 | 267 | nr. 6097: Amiard, 1976 |
| Invertebraten M | Carcinus maenas | zoeae I | LC50 | static | 96 | 15 | 0.534 | nr. 6097: Amiard, 1976 |
| Invertebraten M | Carcinus maenas | adult | LC50 | static | 96 | 15 | 267 | nr. 6097: Amiard, 1976 |
| Invertebraten M | Carcinus maenas | adult | LC50 | static | 96 | 15 | 534 | nr. 6097: Amiard, 1976 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | ND | 17 (h | nr. 2042: Tarzwell, 1960 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | ND | 9 (har | nr. 2042: Tarzwell, 1960 |
| Vissen M | Blennius pholis | adult | LC50 | static | 96 | 15 | 534 | nr. 6097: Amiard, 1976 |

RISK AND SAFETY PHRASES:**Risk phrases**

R34 = causes burns

R37 = irritating to respiratory system

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:

Naam chemische stof: Arseen(tri)oxide

Chemische formule: As₂O₃

Moleculair gewicht: 197,84

Densiteit (g/l): 4 000

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 78

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 1327-53-3

UN-nummer: 1561

GESAMP HAZARD PROFILE:

Gesamp A: +

Gesamp B: 3

Persistentie: ?

Gesamp D: II

Carcinogeen: Y

Gesamp E: XXX

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Vissen F | Oncorhynchus mykiss | 3.5g | LC50 | flow through | 6d. | 15 | 12..8 | nr. 395: Mc Geachy, 1989 |
| Vissen F | Oncorhynchus mykiss | 3.5g | LC50 | flow through | 6d. | 5.4 | 10.8 | nr. 395: Mc Geachy, 1989 |
| Vissen F | Oncorhynchus mykiss | juv., 1.5g | LC50 | flow through | 6d. | 15 | 13.3 | nr. 6329: Dixon, 1981 |

RISK AND SAFETY PHRASES:Risk phrases

R23 = toxic by inhalation
R25 = toxic if swallowed

Safety phrases

S1 = keep locked up
S20 = when using do not eat or drink
S21 = when using do not smoke
S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)
S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Arseenzuur

Chemische formule: As H3 O4

Moleculair gewicht: 141,94

Densiteit (g/l): 2 200

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 320

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 7778-39-4

UN-nummer: 1553

GESAMP HAZARD PROFILE:

Gesamp A: +

Gesamp B: 3

Persistentie: ?

Gesamp D: 0

Carcinogeen: Y

Gesamp E: 0

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Fytoplankton | Dunaliella sp | ND | PGR | static | 6d | ND | 0.1-1 | nr. 754: Takimura, 1988 |
| Zoöplankton F | Daphnia magna | juv. | LC 50 | static | 48 | 20 | 6.6 | nr. 12154: Burton, 1987 |
| Zoöplankton F | Daphnia magna | juv. | LC 50 | static | 48 | 20 | 2.1-2. | nr. 12154: Burton, 1987 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Azijnzuur**Chemische formule:** C2 H4 O2**Moleculair gewicht:** 60,06**Densiteit (g/l):** 1 051**Dampdruk (Pa):** 1 599**Oplosbaarheid (g/l):** 1 051**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 64-19-7**UN-nummer:** 2789**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** X**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-----------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 408 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 90 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 4000 | nr. 15134: Bringmann, 1978 |
| Mollusken F | Lymnaea emarginata angulata | ND | EC50 im | static | 48 | 23.5 | 320 | nr. 6109: Cairns, 1976 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 48 | 17-18 | 49 | nr. 6124: Funasaka, 1976 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 24 | 17-18 | 69 | nr. 6124: Funasaka, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 96 | 18-22 | 79 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 72 | 18-22 | 79 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 48 | 18-22 | 106 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 24 | 18-22 | 106 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 96 | 18-22 | 88 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 72 | 18-22 | 88 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 48 | 18-22 | 92 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1 cm | LC50 | static | 24 | 18-22 | 122 | nr. 719: Mattson, 1976 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 20 | 6000 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

R34 = causes burns

S2 = keep out of reach of children

S23 = do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:**Naam chemische stof:** Azijnzuuranhydride**Chemische formule:** C4 H6 O3**Moleculair gewicht:** 102,10**Densiteit (g/l):** 1 080**Dampdruk (Pa):** 533**Oplosbaarheid (g/l):** 116**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 108-24-7**UN-nummer:** 1715**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 395 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 30 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 18 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 3400 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 3400 | nr. 5303: Bringmann, 1980 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 20 | 3200 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R34 = causes burns

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:**Naam chemische stof:** Benzaldehyde**Chemische formule:** C₇ H₆ O**Moleculair gewicht:** 106,13**Densiteit (g/l):** 1 046**Dampdruk (Pa):** 130**Oplosbaarheid (g/l):** 3**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 100-52-7**UN-nummer:** 1990**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** 1**Carcinogeen:** N**Gesamp E:** X**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 12 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 34 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 34 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 20 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 0.29 | nr. 5303: Bringmann, 1980 |
| Invertebraten F | Orconectes immunis | 1.8 g | LC50 | flow through | 96 | 17.3 | > 15. | nr. 10775: Phipps, 1985 |
| Mollusken F | Aplexa hypnorum | adult | LC50 | flow through | 96 | 17.3 | > 15. | nr. 10775: Phipps, 1985 |
| Vissen F | Oncorhynchus mykiss | 2.4 g | LC50 | flow through | 24 | 17.3 | 15.8 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 0.8 g | LC50 | flow through | 48 | 17.3 | 15.8 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 0.8 g | LC50 | flow through | 72 | 17.3 | 13.5 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 0.8 g | LC50 | flow through | 96 | 17.3 | 12.4 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 29 d, 14.9 mm, 0.051g | LC50 | flow through | 96 | 23.9 | 7.610 | nr. 12448: Brooke, 1984 |
| Vissen F | Oncorhynchus mykiss | 2.4 g | LC50 | flow through | 48 | 17.3 | 12.6 | nr. 10775: Phipps, 1985 |
| Vissen F | Oncorhynchus mykiss | 2.4 g | LC50 | flow through | 72 | 17.3 | 11.4 | nr. 10775: Phipps, 1985 |
| Vissen F | Oncorhynchus mykiss | 2.4 g | LC50 | flow through | 96 | 17.3 | 11.2 | nr. 10775: Phipps, 1985 |
| Vissen F | Oncorhynchus mykiss | 100g | LC50 | static | 96 | ND | 1.269 | nr. 12182: Mc Kim, 1987 |
| Vissen F | Carassius auratus | 5.7 g | LC50 | flow through | 96 | 17.3 | 13.8 | nr. 10775: Phipps, 1985 |
| Vissen F | Ictalurus punctatus | 4.6 g | LC50 | flow through | 48 | 17.3 | 10.1 | nr. 10775: Phipps, 1985 |

| | | | | | | | | |
|---------------|---------------------|-------|------|--------------|----|-------|------|------------------------------|
| Vissen F | Ictalurus punctatus | 4.6 g | LC50 | flow through | 72 | 17.3 | 6.16 | nr. 10775: Phipps, 1985 |
| Vissen F | Ictalurus punctatus | 4.6 g | LC50 | flow through | 96 | 17.3 | 5.39 | nr. 10775: Phipps, 1985 |
| Vissen F | Lepomis macrochirus | 0.8 g | LC50 | flow through | 24 | 17.3 | 5.71 | nr. 10775: Phipps, 1985 |
| Vissen F | Lepomis macrochirus | 0.8 g | LC50 | flow through | 48 | 17.3 | 2.59 | nr. 10775: Phipps, 1985 |
| Vissen F | Lepomis macrochirus | 0.8 g | LC50 | flow through | 72 | 17.3 | 1.43 | nr. 10775: Phipps, 1985 |
| Vissen F | Lepomis macrochirus | 0.8 g | LC50 | flow through | 96 | 17.3 | 1.07 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 90 d | LC50 | flow through | 96 | 17.6 | 12.8 | nr. 12447: Geiger, 1985 |
| Zoöplankton F | Daphnia magna | 24 h | LC50 | static | 24 | 20-22 | 50 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R22 = harmful if swallowed

Safety phrases

S24 = avoid contact with skin

CHEMISCHE GEGEVENS:**Naam chemische stof:** Benzeen**Chemische formule:** C6 H6**Moleculair gewicht:** 78,12**Densiteit (g/l):** 879**Dampdruk (Pa):** 10 130**Oplosbaarheid (g/l):** 1**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 71-43-2**UN-nummer:** 1114**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** E**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton M | Skeletonema costatum | ND | PGR | static | 72 | 18 | 10 | nr. 2214: Dunstan, 1975 |
| Fytoplankton M | Crisophaera carterae | ND | PGR | static | 72 | 18 | 10 | nr. 2214: Dunstan, 1975 |
| Invertebraten M | Crangon franciscorum | 1.8g, adult | LC50 | static | 24 | 16 | 19 | nr. 558: Benville, 1977 |
| Invertebraten M | Crangon franciscorum | 1.8g, adult | LC50 | static | 96 | 16 | 18 | nr. 558: Benville, 1977 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 66 | nr. 2408: Price, 1974 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 48 | 24 | 21 | nr. 2408: Price, 1974 |
| Invertebraten M | Cancer magister | 1st instar zoeal | LC50 | static | 48 | 13 | > 347 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Cancer magister | 1st instar zoeal | LC50 | static | 96 | 13 | 108 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 24 | 21 | 43.5 | nr. 420: Tatem, 1978 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 48 | 21 | 35 | nr. 420: Tatem, 1978 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 96 | 21 | 27 | nr. 420: Tatem, 1978 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 127 | nr. 11926: Abernethy, 1986 |
| Mollusken M | Crassostrea gigas | eggs | LC50 | static | 48 | 21 | 377 | nr. 8621: Legore, 1974 |
| Vissen F | Pimephales promelas | 30d, 17.2mm, 0.074g | LC50 | flow through | 96 | 22.3 | 12.6 | nr. 3217: Geiger, 1990 |
| Vissen F | Salvelinus malma | 100mm, 3yr smolts | LC50 | static | 96 | 8 | 5.5 | nr. 5622: Moles, 1979 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 21 | 386 | nr. 508: Wallen, 1957 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 35.56 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 35.08 | nr. 728: Pickering, 1966 |

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|----------|------------------------|-------------------------|------|--------------|----|------|-------|------------------------------|
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 33.47 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 34.42 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 32 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 32 | nr. 728: Pickering, 1966 |
| Vissen F | Gasterosteus aculeatus | 55mm, 3yr adulten | LC50 | static | 96 | 8 | 21.8 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 31-32d, 19.1mm, 0.092g | LC50 | flow through | 96 | 24.7 | 24.6 | nr. 3217: Geiger, 1990 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 46 | nr. 623: Bridie, 1979 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 21 | 395 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 24 | 21 | 395 | nr. 508: Wallen, 1957 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 36.6 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 36.6 | nr. 728: Pickering, 1966 |
| Vissen F | Oncorhynchus nerka | 75mm, 2yr smolts | LC50 | static | 96 | 6 | 10 | nr. 5622: Moles, 1979 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 34.42 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 34.42 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 34.42 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 48 | 20 | 20 | nr. 922: Turnbull, 1954 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 24 | 20 | 20 | nr. 922: Turnbull, 1954 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 22.49 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 36.6 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 22.49 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 22.49 | nr. 728: Pickering, 1966 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | renewal | 96 | 12 | 5.9 | nr. 13142: Galassi, 1988 |
| Vissen F | Oncorhynchus mykiss | 2.4g | LC50 | static | 96 | 22 | 100 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | 2.4g | LC50 | static | 96 | 12 | 9.2 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | juv., 13.9g, 106mm | LC50 | flow through | 96 | 15 | 5.3 | nr. 15131: Degraeve, 1982 |
| Vissen M | Morone saxatilis | 1.5g, 52mm, juv. | LC50 | flow through | 96 | 17.4 | 9.58 | nr. 5812: Meyerhoff, 1975 |
| Vissen M | Morone saxatilis | juv, 6g | LC50 | static | 24 | 16 | 6.9 | nr. 558: Benville, 1977 |
| Vissen M | Oncorhynchus kisutch | 40-75mm | LC50 | static | 96 | 9 | 14.09 | nr. 5622: Moles, 1979 |
| Vissen M | Oncorhynchus kisutch | emergent fry | LC50 | static | 96 | 9 | 9.8 | nr. 5622: Moles, 1979 |
| Vissen M | Oncorhynchus gorbuscha | fry | LC50 | static | 96 | 4 | 17 | nr. 5622: Moles, 1979 |

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|---------------|-------------------------|---------------|--------|--------|----|----|-------|------------------------------|
| Vissen M | Morone saxatilis | juv, 6g | LC50 | static | 96 | 16 | 5.8 | nr. 558: Benville, 1977 |
| Vissen M | Oncorhynchus gorboscha | emergent fry | LC50 | static | 96 | 4 | 5.28 | nr. 5622: Moles, 1979 |
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 24 | 20 | 18 | nr. 13142: Galassi, 1988 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | ND | 400 | nr. 2017: Canton, 1978 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 250 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 200 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | ND | 356 | nr. 2017: Canton, 1978 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | ND | 412 | nr. 2017: Canton, 1978 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | ND | 620 | nr. 2017: Canton, 1978 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 1130 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 1020 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | mixed species | EC50im | static | 96 | 28 | 420 | nr. 770: Das, 1988 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 31.2 | nr. 11936: Bobra, 1983 |
| Zoöplankton F | Brachionus calyciflorus | neon. | LC50 | static | 24 | 25 | > 100 | nr. 9385: Snell, 1991 |
| Zoöplankton F | Daphnia pulex | 1.9-2.1mm | LC50 | static | 96 | 15 | 15 | nr. 15337: Trucco, 1983 |
| Zoöplankton F | Daphnia magna | mixed ages | LC50 | static | 48 | 19 | 682 | nr. 10060: Eastmond, 1984 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R23 = toxic by inhalation
R24 = toxic in contact with skin
R39 = danger of very serious irreversible effects

Safety phrases

S9 = keep container in a well ventilated place
S16 = keep away from sources of ignition - no smoking
S29 = do not empty into drains

CHEMISCHE GEGEVENS:**Naam chemische stof:** Benzyl n-butylftalaat**Chemische formule:** C₁₉ H₂₀ O₄**CAS registratie nummer:** 85-68-7**Moleculair gewicht:** 312,39**UN-nummer:** /**Densiteit (g/l):** 1 120**Dampdruk (Pa):** 21**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** ?**Gesamp E:** X**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|------------------------|--------------------------------|---------------|--------------|----------|-----------|-------------|-----------------------------|
| Invertebraten M | Mysidopsis bahia | ND | LC 50 | static | 96 | 20 | 0,9 | nr. 15239: Gledhill, 1980 |
| Vissen F | Lepomis macrochirus | juv.; 0.32-1.2 g | LC 50 | static | 96 | 21-23 | 43 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv.; 0.32-1.2 g | LC 50 | static | 24 | 21-23 | 62 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 0.88 g | LC 50 | flow through | 96 | 22 | 2.320 | nr. 15239: Gledhill, 1980 |
| Vissen F | Pimephales promelas | ND | LC 50 | static | 48 | 22 | 1.7 (h) | nr. 15239: Gledhill, 1980 |
| Vissen F | Pimephales promelas | ND | LC 50 | static | 48 | 22 | 2.1 (h) | nr. 15239: Gledhill, 1980 |
| Vissen F | Pimephales promelas | ND | LC 50 | static | 48 | 22 | 5.3 (h) | nr. 15239: Gledhill, 1980 |
| Vissen M | Cyprinidon variegatus | ND | LC 50 | static | 48 | 12 | 3.3 | nr. 15239: Gledhill, 1980 |
| Vissen M | Cymatogaster aggregata | 3 g, juv. | LC 50 | flow through | 96 | 12 | 0.510 | nr. 15980: Ozretich, 1983 |
| Vissen M | Cyprinidon variegatus | ND | LC 50 | static | 96 | 20 | 3 | nr. 15239: Gledhill, 1980 |
| Vissen M | Parophrys vetulus | young of year, 10.7 g; 9.56 cm | LC 50 | flow through | 96 | 11.9 | 0.550 | nr. 15784: Randall, 1983 |
| Vissen M | Parophrys vetulus | young of year, 10.7 g; 9.56 cm | LC 50 | renewal | 96 | 11.9 | 0.660 | nr. 15784: Randall, 1983 |
| Vissen M | Cyprinidon variegatus | ND | LC 50 | static | 96 | ND | 440 | nr. 6334: HeitmueLLer, 1981 |
| Zoöplankton F | Daphnia magna | juv. | LC 50 | static | 24 | 22 | > 460 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | ND | EC 50 im | static | 48 | 23 | 3,7 | nr. 15239: Gledhill, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC 50 | static | 48 | ND | 1,8 | nr. 7884: Ziegenfuss, 1986 |
| Zoöplankton F | Daphnia magna | juv. | LC 50 | static | 48 | 22 | 92 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Benzylalcohol**Chemische formule:** C7 H8 O**Moleculair gewicht:** 108,15**Densiteit (g/l):** 1 050**Dampdruk (Pa):** 13**Oplosbaarheid (g/l):** 10**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 100-51-6**UN-nummer:** 1993**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 10 | nr. 863: Dawson, 1977 |
| Vissen F | Pimephales promelas | juv., 4-8 weken; 1.1-3.1cm | LC50 | static | 96 | 18-22 | 460 | nr. 719: Mattson, 1976 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 15 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | ? | EC50 | static | 24 | 20-22 | 55 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Benzylchloride**Chemische formule:** C7 H7 Cl**Moleculair gewicht:** 126,59**Densiteit (g/l):** 1 100**Dampdruk (Pa):** 120**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 100-44-7**UN-nummer:** 1738**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Scenedesmus quadricauda | ? | PGR | ? | 8d | 27 | 50 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 25 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Chilomonas paramecium | ? | PGR | static | 48 | 20 | > 40 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ? | PGR | ? | 8d | 27 | 30 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ? | PGR | static | 7d | 27 | 50 | nr. 5303: Bringmann, 1980 |
| Invertebraten M | Penaeus setiferus | ? | LC50 | ? | 48 | 22 | 4.4 | nr. 875: Curtis, 1979 |
| Invertebraten M | Penaeus setiferus | ? | LC50 | static | 24 | 22 | 7.1 | nr. 875: Curtis, 1979 |
| Invertebraten M | Penaeus setiferus | ? | LC50 | ? | 96 | 22 | 3.9 | nr. 875: Curtis, 1979 |
| Vissen F | Brachydanio rerio | ? | LC50 | static | 96 | ? | 4 | nr. 11037: Wellens, 1982 |
| Vissen F | Pimephales promelas | ? | LC50 | static | 24 | 22 | 12.5 | nr. 5735: Curtis, 1978 |
| Vissen F | Pimephales promelas | ? | LC50 | static | 48 | 22 | 7.3 | nr. 5735: Curtis, 1978 |
| Vissen F | Pimephales promelas | ? | LC50 | static | 96 | 22 | 5 | nr. 5735: Curtis, 1978 |
| Vissen F | Pimephales promelas | 3.2-4.2 cm | LC50 | static | 24 | 22 | 11.6 | nr. 875: Curtis, 1979 |
| Vissen F | Pimephales promelas | 3.2-4.2 cm | LC50 | static | 48 | 22 | 7.3 | nr. 875: Curtis, 1979 |
| Vissen F | Pimephales promelas | 0.3-1g | LC50 | static | 96 | 22 | 4.7-7 | nr. 2965: Curtis, 1981 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 8.4 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 21 | 1.3 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R36 = irritating to the eyes

R37= irritating to respiratory system

R38 = irritating to skin

Safety phrases

S39 = wear eye/face protection

CHEMISCHE GEGEVENS:

Naam chemische stof: beta-Propiolactone

Chemische formule: C3 H4 O2

Moleculair gewicht: 72,07

Densiteit (g/l): 1 148

Dampdruk (Pa): 500

Oplosbaarheid (g/l): 340

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 57-57-8

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: Y

Gesamp E: XXX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|

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RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Bisfenol A

Chemische formule: C15 H16 O2

CAS registratie nummer: 80-05-7

Moleculair gewicht: 228,31

UN-nummer: /

Densiteit (g/l): 1 200

Dampdruk (Pa): 520

Oplosbaarheid (g/l): 132

Pow: 0

Aggregatietoestand: Vaste stof

GESAMP HAZARD PROFILE:

Gesamp A: ?

Gesamp B: ?

Persistentie: ?

Gesamp D: ?

Carcinogeen: ?

Gesamp E: ?

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 96 | 24 | 2.7 | nr. 494: Alexander, 1988 |
| Fytoplankton M | Skeletonema costatum | ND | EC50gr | static | 96 | 20 | 1 | nr. 494: Alexander, 1988 |
| Invertebraten M | Mysidopsis bahia | ND | LC50 | flow through | 96 | 25 | 1.1 | nr. 494: Alexander, 1988 |
| Invertebraten M | Mysidopsis bahia | ND | LC50 | flow through | 24 | 25 | 3.3 | nr. 494: Alexander, 1988 |
| Invertebraten M | Mysidopsis bahia | ND | LC50 | flow through | 48 | 25 | 1.6 | nr. 494: Alexander, 1988 |
| Invertebraten M | Mysidopsis bahia | ND | LC50 | flow through | 72 | 25 | 1.2 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 48 | 17 | 4.7 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 72 | 17 | 4.7 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | 17 | 4.7 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 24 | 17 | 4.6 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 48 | 17 | 4.6 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 72 | 17 | 4.6 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 96 | 17 | 4.6 | nr. 494: Alexander, 1988 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 24 | 17 | 4.7 | nr. 494: Alexander, 1988 |
| Vissen M | Menidia menidia | ND | LC50 | flow through | 96 | 22 | 9.4 | nr. 494: Alexander, 1988 |
| Vissen M | Menidia menidia | ND | LC50 | flow through | 24 | 22 | 12 (sa | nr. 494: Alexander, 1988 |
| Vissen M | Menidia menidia | ND | LC50 | flow through | 48 | 22 | 11 | nr. 494: Alexander, 1988 |
| Vissen M | Menidia menidia | ND | LC50 | flow through | 72 | 22 | 9.4 | nr. 494: Alexander, 1988 |

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|---------------|---------------|----|--------|--------|----|----|------|-----------------------------|
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 48 | 20 | 10.2 | nr. 494: Alexander, 1988 |
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 24 | 20 | 15.5 | nr. 494: Alexander, 1988 |

RISK AND SAFETY PHRASES:

| <u>Risk phrases</u> | <u>Safety phrases</u> |
|---------------------|-----------------------|
| / | / |

CHEMISCHE GEGEVENS:**Naam chemische stof:** Blauwzuur**Chemische formule:** HCN**Moleculair gewicht:** 27**Densiteit (g/l):** 690**Dampdruk (Pa):** 82 700**Oplosbaarheid (g/l):** 690**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 74-90-8**UN-nummer:** 1051**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|--------------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Vissen F | Oncorhynchus mykiss | juv., 11.8 g | LC50 | flow through | 96 | 18 | 68 | nr. 15601: Kovacs, 1982 |
| Vissen F | Oncorhynchus mykiss | juv., 11.8 g | LC50 | flow through | 96 | 12 | 42 | nr. 15601: Kovacs, 1982 |
| Vissen F | Oncorhynchus mykiss | juv., 11.8 g | LC50 | flow through | 96 | 6 | 28 | nr. 15601: Kovacs, 1982 |
| Vissen F | Pimephales promelas | 13 wk., juv., 30.8 mm, 0.289 g | LC50 | flow through | 96 | 20 | 0.157 | nr. 519: Broderius, 1977 |
| Vissen F | Pimephales promelas | 13 wk., juv., 30.8 mm, 0.289 g | LC50 | flow through | 96 | 20 | 0.152 | nr. 519: Broderius, 1977 |
| Vissen F | Pimephales promelas | 13 wk., juv., 30.8 mm, 0.289 g | LC50 | flow through | 96 | 20 | 0.133 | nr. 519: Broderius, 1977 |
| Vissen F | Pimephales promelas | 13 wk., juv., 30.8 mm, 0.289 g | LC50 | flow through | 96 | 20 | 0.133 | nr. 519: Broderius, 1977 |
| Vissen F | Pimephales promelas | 13 wk., juv., 30.8 mm, 0.289 g | LC50 | flow through | 96 | 20 | 0.117 | nr. 519: Broderius, 1977 |
| Vissen F | Pimephales promelas | 13 wk., juv., 30.8 mm, 0.289 g | LC50 | flow through | 96 | 20 | 0.124 | nr. 519: Broderius, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Boterzuur**Chemische formule:** C4 H8 O2**CAS registratie nummer:** 107-92-6**Moleculair gewicht:** 88,12**UN-nummer:** 2820**Densiteit (g/l):** 958**Dampdruk (Pa):** 57**Oplosbaarheid (g/l):** 958**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | static | 48 | 20 | 141 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 318 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 26 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 2600 | nr. 5303: Bringmann, 1980 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 48 | 17-18 | 65 | nr. 6124: Funasaka, 1976 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 24 | 17-18 | 85 | nr. 6124: Funasaka, 1976 |
| Vissen F | Lepomis macrochirus | ND | LC50 | static | 24 | 21-25 | 200 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 2750 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 21-25 | 61 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 1950 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases**

R34 = causes burns

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 = wear suitable protective clothing

CHEMISCHE GEGEVENS:**Naam chemische stof:** Butyraldehyde**Chemische formule:** C4 H8 O**CAS registratie nummer:** 123-72-8**Moleculair gewicht:** 72,12**UN-nummer:** 1129**Densiteit (g/l):** 803**Dampdruk (Pa):** 12 300**Oplosbaarheid (g/l):** 49**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 44 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 19 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 4.2 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 83 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 83 | nr. 5303: Bringmann, 1980 |
| Vissen F | Pimephales promelas | 30d, 16.4 mm, 0.059g | LC50 | flow through | 96 | 25 | 16 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 29d, 17.2 mm, 0.073g | LC50 | flow through | 96 | 24 | 13.4 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 0.3-1g | LC50 | static | 96 | 22 | 25.8 | nr. 2965: Curtis, 1981 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 195 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 340 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Calciumchloride

Chemische formule: Ca Cl₂

Moleculair gewicht: 110,98

Densiteit (g/l): 2 100

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 897

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 10043-52-4

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 0

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------------|
| Invertebraten | Eudiaptomus padanus | adult, 0.43mm | EC50im | static | 48 | 10 | 4000 | nr. 5339: Baudoin, 1974 |
| Invertebraten | Cyclops abyssorum prealpinus | adult, 0.62mm | EC50im | static | 48 | 10 | 7000 | nr. 5339: Baudoin, 1974 |
| Invertebraten M | Nitocra spinipes | adult | LC50 | static | 96 | 20 | 580 | nr. 2183 :Bengtsson, 1978 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 48 | 18 | 464 | nr. 2022: Biesinger, 1972 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Calciumhydroxide**Chemische formule:** Ca H₂ O₂**Moleculair gewicht:** 74,1**Densiteit (g/l):** 2 240**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 246**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 1305-62-0**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** 1**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|--------------------|----------------------------|---------------|------------|----------|-----------|-------------|-------------------------|
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 22 | 160 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 22 | 220 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 24 | 22 | 240 | nr. 508: Wallen, 1957 |
| Vissen F | Clarias gariepinus | fingerling | LC50 | static | 96 | ND | 33.88 | nr. 3391: Ufodike, 1990 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:

Naam chemische stof: Camfor (synthetisch)

Chemische formule: C₁₀H₁₆O

CAS registratie nummer: 76-22-2

Moleculair gewicht: 152,2

UN-nummer: 2717

Densiteit (g/l): 990

Dampdruk (Pa): 132

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vaste stof

GESAMP HAZARD PROFILE:

Gesamp A: ?

Gesamp B: ?

Persistentie: ?

Gesamp D: ?

Carcinogeen: ?

Gesamp E: ?

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Vissen F | Brachydanio rerio | ? | LC50 | ? | 96 | ? | 35 | nr. 6634: Hoechst, 1988 |
| Vissen F | Pimephales promelas | ? | LC50 | ? | 96 | ? | 110 | nr. 6634: Hoechst, 1988 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Chloorbenzeen**Chemische formule:** C6 H5 Cl**CAS registratie nummer:** 108-90-7**Moleculair gewicht:** 112,56**UN-nummer:** 1134**Densiteit (g/l):** 1 110**Dampdruk (Pa):** 1 200**Oplosbaarheid (g/l):** 0,4**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** X**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|---------------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Selenastrum capricornutum | 500000cells/ml | EC50gr. | static | 96 | 20 | 12.5 | nr. 10745: Galassi, 1981 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | static | 48 | 15 | 4.1 | nr. 15526: Calamari, 1983 |
| Vissen F | Oncorhynchus mykiss | std length, 1.2-3.8g, 4.6-6.4cm | LC50 | flow through | 96 | 15 | 7.46 | nr. 10688: Hodson, 1984 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | flow through | 96 | 15 | 4.7 | nr. 15457: Dalich, 1982 |
| Vissen F | Carassius auratus | eggs | LC50 | flow through | 7.5 | 21 | 1.04 (| nr. 563: Birge, 1979 |
| Vissen F | Carassius auratus | eggs | LC50 | flow through | 84 | 21 | 4.08 (| nr. 563: Birge, 1979 |
| Vissen F | Carassius auratus | eggs | LC50 | flow through | 7.5 | 21 | 0.88 (| nr. 563: Birge, 1979 |
| Vissen F | Lepomis macrochirus | 0.32-1.2g | LC50 | static | 24 | 22 | 17 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Carassius auratus | eggs, 4 d. post hatch | LC50 | flow through | 96 | 18-25 | 1.04 (| nr. 563: Birge, 1979 |
| Vissen F | Carassius auratus | eggs | LC50 | flow through | 84 | 21 | 4.38 (| nr. 563: Birge, 1979 |
| Vissen F | Carassius auratus | eggs, 4 d. post hatch | LC50 | flow through | 8d. | 18-25 | 0.88 (| nr. 563: Birge, 1979 |
| Vissen F | Carassius auratus | eggs, 4 d. post hatch | LC50 | flow through | 96 | 18-25 | 3.48 (| nr. 563: Birge, 1979 |
| Vissen F | Carassius auratus | 3.8-6.4 cm, 1-2g | LC50 | static | 96 | 25 | 51.62 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4 cm, 1-2g | LC50 | static | 48 | 25 | 56 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4 cm, 1-2g | LC50 | static | 24 | 25 | 73.03 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6mnd, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 45.53 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6mnd, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 45.53 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6mnd, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 45.53 | nr. 728: Pickering, 1966 |

| | | | | | | | | |
|---------------|-----------------------|-------------------------------|---------|--------------|----|-------|--------|-----------------------------|
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 33.93 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | subadult, 65-94d, 391mg, 28mm | LC50 | static | 96 | 22 | 22.2 | nr. 10432: Mayes, 1983 |
| Vissen F | Carassius auratus | eggs, 4 d. post hatch | LC50 | flow through | 96 | 18-25 | 2.37 (| nr. 563: Birge, 1979 |
| Vissen F | Lepomis macrochirus | 0.32-1.2g | LC50 | static | 96 | 22 | 16 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 39.2 (| nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 29.12 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 31d, 17.8mm, 0.083g | LC50 | flow through | 96 | 26 | 16.9 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 34.98 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | juv., 30-35d, 76.8mg, 15mm | LC50 | static | 96 | 22 | 35.4 | nr. 10432: Mayes, 1983 |
| Vissen F | Pimephales promelas | fry, 10-15d, 11.6mg, 9.5mm | LC50 | static | 96 | 22 | 22.3 | nr. 10432: Mayes, 1983 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 24 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | static | 24 | 22 | 4.5 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | flow through | 96 | 22 | 7.4 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | flow through | 72 | 22 | 7.4 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | flow through | 48 | 22 | 7.7 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | flow through | 24 | 22 | 8 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | static | 96 | 22 | 4.5 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 29.12 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | static | 72 | 22 | 4.5 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.63cm, 0.9g | LC50 | static | 48 | 22 | 4.5 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 24 | nr. 728: Pickering, 1966 |
| Vissen M | Cyprinodon variegatus | ND | LC50 | static | 96 | ND | 10 | nr. 6634: Heitmueller, 1981 |
| Zoöplankton F | Daphnia magna | neonate | LC50 | static | 48 | 20.5 | 12.9 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 86 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 310 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 195 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | ND | EC50im. | static | 24 | ND | 4.3 | nr. 15526: Calamari, 1983 |
| Zoöplankton F | Daphnia magna | 1.5mm | EC50im. | static | 48 | ND | 5.8 | nr. 10805: Bobra, 1985 |
| Zoöplankton F | Daphnia magna | neonate | LC50 | static | 48 | 20.5 | 10.7 | nr. 10810: Cowgill, 1985 |

| | | | | | | | | |
|---------------|--------------------|--------------|---------|--------|----|------|------|----------------------------|
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 140 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | neonate | LC50 | static | 48 | 24.5 | 8.6 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | neonate | LC50 | static | 48 | 24.5 | 11.5 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | neonate | LC50 | static | 48 | 24.5 | 12.8 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | 4-6d | EC50im. | static | 48 | 23 | 5.7 | nr. 11926: Abernethy, 1986 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 20.5 | 8.9 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 20.5 | 7.9 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 24.5 | 11 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neonates 12u | LC50 | static | 48 | 25 | 47 | nr. 212: Cowgill, 1991 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 24.5 | 10.4 | nr. 10810: Cowgill, 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:**Naam chemische stof:** Chloroform**Chemische formule:** C H Cl₃**Moleculair gewicht:** 119,38**Densiteit (g/l):** 1 490**Dampdruk (Pa):** 20 260**Oplosbaarheid (g/l):** 8**Pow:** 2**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 67-66-3**UN-nummer:** 1888**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** Y**Gesamp E:** XX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Fytoplankton M | Skeletonema costatum | 10000cells/ml | EC50 | static | 5d. | 20 | 2233 | nr. 2233: Cowgill, 1989 |
| Invertebraten M | Artemia salina | nauplii | EC50im. | static | 24 | 19 | 30.37 | nr. 11322: Foster, 1984 |
| Invertebraten M | Artemia salina | nauplii, stage 2 | EC50im. | static | 24 | 19 | 31.1 | nr. 11322: Foster, 1984 |
| Vissen F | Oncorhynchus mykiss | juv., 8.8cm, 7.6g | LC50 | flow through | 24 | 19 | 20 | nr. 5267: Anderson, 1980 |
| Vissen F | Oncorhynchus mykiss | 11.5cm, 16.8g, juv. | LC50 | flow through | 96 | 8 | 15.1 | nr. 5267: Anderson, 1980 |
| Vissen F | Oncorhynchus mykiss | juv., 8cm, 5.2g | LC50 | flow through | 96 | 13 | 18.4 | nr. 5267: Anderson, 1980 |
| Vissen F | Pimephales promelas | 30d, 18.9mm, 0.095g | LC50 | flow through | 96 | 25 | 70.7 | nr. 3217: Geiger, 1990 |
| Vissen F | Oncorhynchus mykiss | juv., 8cm, 5.2g | LC50 | flow through | 48 | 13 | 21.4 | nr. 5267: Anderson, 1980 |
| Vissen F | Oncorhynchus mykiss | juv., 8.8cm, 7.6g | LC50 | flow through | 48 | 19 | 19.3 | nr. 5267: Anderson, 1980 |
| Vissen F | Oncorhynchus mykiss | 1g, 32mm | LC50 | static | 48 | 12 | 67.5 (| nr. 2644: Bentley, 1979 |
| Vissen F | Oncorhynchus mykiss | juv., 8cm, 5.2g | LC50 | flow through | 96 | 13 | 18.2 | nr. 5267: Anderson, 1980 |
| Vissen F | Oncorhynchus mykiss | 1g, 32mm | LC50 | static | 24 | 12 | 67.5 (| nr. 2644: Bentley, 1979 |
| Vissen F | Oncorhynchus mykiss | 1g, 32mm | LC50 | static | 96 | 12 | 43.8 | nr. 2644: Bentley, 1979 |
| Vissen F | Oncorhynchus mykiss | 1g, 32mm | LC50 | static | 48 | 12 | 43.8 | nr. 2644: Bentley, 1979 |
| Vissen F | Oncorhynchus mykiss | 1g, 32mm | LC50 | static | 24 | 12 | 55.5 (| nr. 2644: Bentley, 1979 |
| Vissen F | Poecilia reticulata | ND | LC50 | static | 96 | 23 | 300 | nr. 6234: Hazdra, 1979 |
| Vissen F | Oncorhynchus mykiss | 1g, 32mm | LC50 | static | 96 | 12 | 68.8 (| nr. 2644: Bentley, 1979 |
| Vissen F | Lepomis macrochirus | 17cm, 130g | LC50 | flow through | 48 | 25 | 16.3 | nr. 5267: Anderson, 1980 |

| | | | | | | | | |
|---------------|---------------------|-------------------------------|---------|--------------|----|----|-------|----------------------------|
| Vissen F | Pimephales promelas | subadult, 65-94d, 391mg, 28mm | LC50 | static | 96 | 22 | 103 | nr. 10432: Mayes, 1983 |
| Vissen F | Oncorhynchus mykiss | 0.5-3g | LC50 | static | 24 | 15 | 32 | nr. 15923: Qureshi, 1982 |
| Vissen F | Pimephales promelas | fry, 10-15d, 11.6mg, 9.5mm | LC50 | static | 96 | 22 | 129 | nr. 10432: Mayes, 1983 |
| Vissen F | Oncorhynchus mykiss | juv., 8.8cm, 7.6g | LC50 | flow through | 96 | 19 | 17.1 | nr. 5267: Anderson, 1980 |
| Vissen F | Lepomis macrochirus | 17cm, 130g | LC50 | flow through | 24 | 25 | 17.1 | nr. 5267: Anderson, 1980 |
| Vissen F | Lepomis macrochirus | 17cm, 130g | LC50 | flow through | 24 | 25 | 16.2 | nr. 5267: Anderson, 1980 |
| Vissen F | Lepomis macrochirus | 1.1g, 37mm | LC50 | static | 96 | 21 | 115 (| nr. 2644: Bentley, 1979 |
| Vissen F | Lepomis macrochirus | 1.1g, 37mm | LC50 | static | 24 | 21 | 183 (| nr. 2644: Bentley, 1979 |
| Vissen F | Lepomis macrochirus | 1.1g, 37mm | LC50 | static | 96 | 21 | 100 (| nr. 2644: Bentley, 1979 |
| Vissen F | Lepomis macrochirus | 1.1g, 37mm | LC50 | static | 48 | 21 | 100 (| nr. 2644: Bentley, 1979 |
| Vissen F | Lepomis macrochirus | 1.1g, 37mm | LC50 | static | 24 | 21 | 119 (| nr. 2644: Bentley, 1979 |
| Vissen F | Lepomis macrochirus | 17cm, 130g | LC50 | flow through | 96 | 25 | 13.3 | nr. 5267: Anderson, 1980 |
| Vissen F | Lepomis macrochirus | 17cm, 130g | LC50 | flow through | 96 | 25 | 16.2 | nr. 5267: Anderson, 1980 |
| Vissen F | Lepomis macrochirus | 1.1g, 37mm | LC50 | static | 96 | 21 | 115 (| nr. 2644: Bentley, 1979 |
| Vissen F | Lepomis macrochirus | 1.1g, 37mm | LC50 | static | 48 | 21 | 123 (| nr. 2644: Bentley, 1979 |
| Vissen F | Pimephales promelas | juv., 30-35d, 76.8mg, 15mm | LC50 | static | 96 | 22 | 171 | nr. 10432: Mayes, 1983 |
| Zoöplankton F | Ceriodaphnia dubia | neonates, <12h | LC50 | static | 48 | 25 | 290 | nr. 212: Cowgill, 1991 |
| Zoöplankton F | Daphnia magna | ND | EC50 | renewal | 24 | ND | 79 | nr. 6628: Kuhn, 1988 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 15 | 758 | nr. 15923: Qureshi, 1982 |
| Zoöplankton F | Daphnia magna | 4-6d. | EC50im. | static | 48 | 23 | 51.4 | nr. 11926: Abernethy, 1986 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 24 | 25 | 79 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 29 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <12h | LC50 | static | 48 | 25 | 353 | nr. 212: Cowgill, 1991 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 29 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

R20 = harmful by inhalation

R22 = harmful if swallowed

R38 = irritating to skin

R40 = possible risk of irreversible effects

R48 = danger of serious damage to health by prolonged exposure

Safety phrases

S36 = wear suitable protective clothing

S37 = wear suitable gloves

CHEMISCHE GEGEVENS:

Naam chemische stof: Citroenzuur

Chemische formule: C6 H8 O7

Moleculair gewicht: 192,14

Densiteit (g/l): 1 542

Dampdruk (Pa): 10

Oplosbaarheid (g/l): 632

Pow: 2

Aggregatietoestand: Vaste stof

CAS registratie nummer: 77-92-9

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Zoöplankton F | Daphnia magna | ? | EC50 | static | 24 | ? | 1535 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Cresols**Chemische formule:** C7 H8 O**Moleculair gewicht:** 108,15**Densiteit (g/l):** 1 070**Dampdruk (Pa):** 67**Oplosbaarheid (g/l):** 26**Pow:** 2**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 1319-77-3**UN-nummer:** 2076**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 14d | ND | 137 | nr. 2710: Gaur, 1988 |
| Invertebraten F | Gammarus fasciatus | 2nd instar | EC50im | static | 48 | ND | 9.8 | nr. 6205: Emery, 1970 |
| Invertebraten F | Gammarus fasciatus | molting 1st instar | EC50im | static | 48 | ND | 7 | nr. 6205: Emery, 1970 |
| Invertebraten F | Gammarus fasciatus | 1st instar | EC50im | static | 48 | ND | 8.9 | nr. 6205: Emery, 1970 |
| Invertebraten F | Gammarus fasciatus | female with eggs | EC50im | static | 48 | ND | 33.9 | nr. 6205: Emery, 1970 |
| Invertebraten F | Gammarus fasciatus | female adult | EC50im | static | 48 | ND | 34.3 | nr. 6205: Emery, 1970 |
| Invertebraten F | Gammarus fasciatus | male adult | EC50im | static | 48 | ND | 24.9 | nr. 6205: Emery, 1970 |
| Invertebraten M | Crangon crangon | larval | LC50 | static | 48 | 15 | 10-33 | nr. 9258: Portmann, 1972 |
| Mollusken M | Cerastoderma edule | larval | LC50 | static | 48 | 15 | > 100 | nr. 9258: Portmann, 1972 |
| Vissen F | Pimephales promelas | 29d, 20.8mm, 0.129g | LC50 | flow through | 96 | 24.8 | 12.8 | nr. 3217: Geiger, 1990 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 18.5 | 22 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 18.5 | 24 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 24 | 18.5 | 24 | nr. 508: Wallen, 1957 |
| Vissen M | Agonus cataphractus | ND | LC50 | static | 48 | 15 | 10-33 | nr. 9258: Portmann, 1972 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

R24 = toxic in contact with skin

R25 = toxic if swallowed

R34 = causes burns

S2 = keep out of reach of children

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Crotonaldehyde

Chemische formule: C₄ H₆ O

Moleculair gewicht: 70,1

Densiteit (g/l): 852

Dampdruk (Pa): 4 000

Oplosbaarheid (g/l): 130

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 4170-30-3

UN-nummer: 1143

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 3.5 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 1.3 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:

| <u>Risk phrases</u> | <u>Safety phrases</u> |
|--|---|
| R11 = highly flammable | S29 = do not empty into drains |
| R23 = toxic by inhalation | S33 = take precautionary measures against static discharges |
| R36 = irritating to the eyes | S44 = if you feel unwell, seek medical advice immediately (show the label where possible) |
| R37 = irritating to respiratory system | |
| R38 = irritating to skin | |

CHEMISCHE GEGEVENS:

Naam chemische stof: Cyaanbromide

Chemische formule: C Br N

Moleculair gewicht: 105,93

Densiteit (g/l): 2 000

Dampdruk (Pa): 13 300

Oplosbaarheid (g/l): 220

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 506-68-3

UN-nummer: 1889

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------|
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 0.24 | nr. 863: Dawson,1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 0.47 | nr. 863: Dawson,1977 |

RISK AND SAFETY PHRASES:

| <u>Risk phrases</u> | <u>Safety phrases</u> |
|---------------------------------------|---|
| R26 = very toxic by inhalation | S18 = handle and open with care |
| R27 = very toxic in contact with skin | S28= after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer) |
| R28 = very toxic if swallowed | S37 = wear suitable gloves |
| R36 = irritating to the eyes | S39 = wear eye/face protection |
| R37= irritating to respiratory system | |

CHEMISCHE GEGEVENS:

Naam chemische stof: Cyaanchloride

Chemische formule: C Cl N

Moleculair gewicht: 61,47

Densiteit (g/l): 1 200

Dampdruk (Pa): 176 000

Oplosbaarheid (g/l): 65

Pow: 0

Aggregatietoestand: Gas

CAS registratie nummer: 506-77-4

UN-nummer: 1589

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: G

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20.5-2 | 0.029 | nr. 13151: Kononen, 1988 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 20.5-2 | 0.04 | nr. 13151: Kononen, 1988 |
| Zoöplankton F | Daphnia magna | neonaten<5d. | LC50 | static | 48 | 20.5 | 0.065 | nr. 13151: Kononen, 1988 |
| Zoöplankton F | Daphnia magna | neonaten<5d. | LC50 | static | 24 | 20.5 | 0.086 | nr. 13151: Kononen, 1988 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Cyanide

Chemische formule: CN

Moleculair gewicht: 26

Densiteit (g/l): ?

Dampdruk (Pa): ?

Oplosbaarheid (g/l): ?

Pow: ?

Aggregatietoestand: Vaste stof

CAS registratie nummer: 57-12-5

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: ?

Gesamp E: XX

Gedrag: ?

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Mollusken F | Physella heterostropha | ? | LC50 | static | 96 | 20 | 0.432 | nr. 949: Patrick, 1968 |
| Vissen F | Lepomis macrochirus | ? | LC50 | static | 96 | 18 | 0.180 | nr. 949, Patrick, 1968 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Cyclohexaan**Chemische formule:** C₆ H₁₂**Moleculair gewicht:** 84,18**Densiteit (g/l):** 779**Dampdruk (Pa):** 10 397**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 110-82-7**UN-nummer:** 1145**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** X**Gedrag:** E**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | > 160 | nr. 5719: Bringmann, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 7.308 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Crangon franciscorum | 1.7g, 6.4cm | LC50 | static | 24 | ND | 3.4 | nr 10146: Benville, 1985 |
| Invertebraten M | Crangon franciscorum | 1.7g, 6.4cm | LC50 | static | 96 | ND | 2.4 | nr 10146: Benville, 1985 |
| Mollusken F | Viviparus bengalensis | mixed species | EC50im | static | 96 | 28 | 25.6 | nr. 770: Das, 1988 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 30d, 20.5mm, 0.119g | LC50 | flow through | 96 | 25 | 4.53 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 35.08 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 32.71 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 57.68 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 57.68 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 57.68 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 35.08 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 24 | 20 | 93 | nr. 719: Mattson, 1976 |

| | | | | | | | | |
|---------------|---------------------|------------------------|--------|--------|----|----|--------|------------------------------|
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 34.72 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 40.6 (| nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 96 | 20 | 117 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 24 | 20 | 117 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 96 | 20 | 93 | nr. 719: Mattson, 1976 |
| Vissen M | Morone saxatilis | juv., 8.5g, 9.2cm | LC50 | static | 96 | ND | 8.3 | nr 10146: Benville, 1985 |
| Vissen M | Morone saxatilis | juv., 8.5g, 9.2cm | LC50 | static | 24 | ND | 8.3 | nr 10146: Benville, 1985 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 3.78 | nr. 11936: Bobra, 1983 |
| Zoöplankton F | Daphnia magna | mixed species | EC50im | static | 96 | 28 | 135 | nr. 770: Das, 1988 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 340 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | > 400 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Cyclohexanol

Chemische formule: C₆ H₁₂ O

Moleculair gewicht: 100,18

Densiteit (g/l): 947

Dampdruk (Pa): 130

Oplosbaarheid (g/l): 36

Pow: 1

Aggregatietoestand: Vaste stof

CAS registratie nummer: 108-93-0

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: X

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-------------------------|
| Vissen F | Pimephales promelas | 29d, 17.4 mm, 0.095g | LC50 | flow through | 96 | 24 | 704 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 705 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | juv., 4-8weken, 1.1-1.3cm | LC50 | static | 48 | 20 | 1033 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8weken, 1.1-1.3cm | LC50 | static | 24 | 20 | 1033 | nr. 719: Mattson, 1976 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 1100 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 720 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R20 = harmful by inhalation

R22 = harmful if swallowed

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:**Naam chemische stof:** Cyclohexanon**Chemische formule:** C₆H₁₀O**CAS registratie nummer:** 108-94-1**Moleculair gewicht:** 98,16**UN-nummer:** 1915**Densiteit (g/l):** 945**Dampdruk (Pa):** 470**Oplosbaarheid (g/l):** 58**Pow:** 1**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 573 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 52 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 545 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 370 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 370 | nr. 5303: Bringmann, 1980 |
| Vissen F | Pimephales promelas | 30d, 20.2mm, 0.127g | LC50 | flow through | 96 | 25.1 | 527 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 29-30d, 23.8mm, 0.221g | LC50 | flow through | 96 | 25.4 | 732 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 732 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 630 | nr. 10183: Veith, 1983 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 800 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 820 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:**Naam chemische stof:** Cyclohexylamine**Chemische formule:** C6 H13 N**CAS registratie nummer:** 108-91-8**Moleculair gewicht:** 99,20**UN-nummer:** 2357**Densiteit (g/l):** 861**Dampdruk (Pa):** 1 500**Oplosbaarheid (g/l):** 861**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | > 400 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 0.02 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 0.7 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 0.32 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 0.51 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 96 | 25 | 20 | nr. 5089: Calamari, 1980 |
| Vissen F | Brachydanio rerio | ND | LC50 | static | 96 | ND | 470 | nr. 11037: Wellens, 1982 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 49 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 80 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R20 = harmful by inhalation

R22 = harmful if swallowed

R36 = irritating to eyes

R38 = irritating to skin

Safety phrases

S36 = wear suitable protective clothing

S37 = wear suitable gloves

S39 = wear eye/face protection

CHEMISCHE GEGEVENS:

Naam chemische stof: Decahydronaftaleen

Chemische formule: C10 H18

Moleculair gewicht: 138,28

Densiteit (g/l): 890

Dampdruk (Pa): 130

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 91-17-8

UN-nummer: 1147

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Gesamp D: 0

Gesamp E: X

Persistentie: ?

Carcinogeen: N

Gedrag: F

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Zoöplankton F | Daphnia pulex | <24 | EC50im. | static | 48 | 20 | 2.49 | nr. 3283: Smith, 1988 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Diacetonalcohol**Chemische formule:** C6 H12 O2**Moleculair gewicht:** 116,18**Densiteit (g/l):** 938**Dampdruk (Pa):** 140**Oplosbaarheid (g/l):** 938**Pow:** ?**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 123-42-2**UN-nummer:** 1148**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Gesamp D:** 0**Gesamp E:** 0**Persistentie:** ?**Carcinogeen:** N**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 530 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 1887 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 1400 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 3000 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 3000 | nr. 5303: Bringmann, 1980 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | > 500 | nr. 623: Bridie, 1979 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 420 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 420 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 21 | 9000 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 8750 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

R36 = irritating to eyes

Safety phrases

S7 = keep container tightly closed

S16 = keep away from sources of ignition - no smoking

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:**Naam chemische stof:** Dichloroethylether**Chemische formule:** C₄ H₈ Cl₂ O**Moleculair gewicht:** 143,02**Densiteit (g/l):** 1 220**Dampdruk (Pa):** 110**Oplosbaarheid (g/l):** 11**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 111-44-4**UN-nummer:** 1916**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 96 | 22 | >600 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | >600 | nr. 5590: Buccafusco, 1981 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 240 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 340 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

R40 = possible risk of irreversible effects

Safety phrases

S7 = keep container tightly closed

S9 = keep container in a well ventilated place

S27 = take off immediately all contaminated clothing

S38 = in case of insufficient ventilation wear suitable respiratory equipment

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Dichloromethaan**Chemische formule:** C H₂ Cl₂**Moleculair gewicht:** 84,93**Densiteit (g/l):** 1 322**Dampdruk (Pa):** 47 000**Oplosbaarheid (g/l):** 17**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 75-09-2**UN-nummer:** 1593**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1 **Persistentie:** ?**Gesamp D:** I **Carcinogeen:** Y**Gesamp E:** XX **Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | static | 48 | 20 | > 800 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 1450 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 550 | nr. 15134: Bringmann, 1978 |
| Invertebraten M | Palaemonetes pugio | juv., 20mm | LC50 | static | 48 | 20 | 108.5 | nr. 3163: Burton, 1990 |
| Vissen F | Pimephales promelas | 1.04g, 49mm | LC50 | flow through | 72 | 12 | 232.4 | nr. 973: Alexander, 1978 |
| Vissen F | Oryzias latipes | ND | LC50 | static | 48 | 10 | 1100 | nr. 12497: Tsuji, 1986 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 96 | 22 | 220 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 1.04g, 49mm | LC50 | flow through | 48 | 12 | 265 | nr. 973: Alexander, 1978 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | 230 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 1.04g, 49mm | LC50 | flow through | 96 | 12 | 193 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1.04g, 49mm | EC50im | flow through | 24 | 12 | 113 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1.04g, 49mm | EC50im | flow through | 48 | 12 | 99 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1.04g, 49mm | EC50im | flow through | 72 | 12 | 99 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1.04g, 49mm | EC50im | flow through | 96 | 12 | 99 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | juv. | LC50 | flow through | 96 | 25 | 502 | nr. 12567: Dill, 1987 |
| Vissen F | Pimephales promelas | 30d, 17.6mm, 0.066g | LC50 | flow through | 96 | 25 | 330 | nr. 12858: Geiger, 1986 |
| Vissen F | Oryzias latipes | ND | LC50 | static | 24 | 10 | 1100 | nr. 12497: Tsuji, 1986 |

| | | | | | | | | |
|---------------|-----------------------|-------------|--------|--------------|----|----|------|-----------------------------|
| Vissen F | Pimephales promelas | 1.04g, 49mm | LC50 | flow through | 24 | 12 | 268 | nr. 973: Alexander, 1978 |
| Vissen M | Cyprinidon variegatus | ND | LC50 | static | 96 | ND | 330 | nr. 6334: HeitmueLLer, 1981 |
| Vissen M | Fundulus heteroclitus | juv., 23d | LC50 | static | 48 | 20 | 97 | nr. 3163: Burton, 1990 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im | static | 48 | 20 | 1682 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im | static | 24 | 20 | 1959 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 2270 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 2100 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 220 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 310 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | 4-6d | EC50im | static | 48 | 23 | 1599 | nr. 11926: Abernethy, 1986 |

RISK AND SAFETY PHRASES:

Risk phrases

R20 = harmful by inhalation

Safety phrases

S24 = avoid contact with skin

CHEMISCHE GEGEVENS:**Naam chemische stof:** Diethanolamine**Chemische formule:** C₄ H₁₁ N O₂**Moleculair gewicht:** 105,16**Densiteit (q/l):** 1 095**Dampdruk (Pa):** 1**Oplosbaarheid (q/l):** 1 095**Pow:** 1**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 111-42-2**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|-------------------------------|---------------|--------------|----------|-----------|-------------|-----------------------------|
| Fytoplankton M | Skeletonema costatum | 10000cells/ml | EC50 | static | 5d. | 20 | 548.2 | nr. 2233: Cowgill, 1989 |
| Fytoplankton M | Skeletonema costatum | 10000cells/ml | EC50 | static | 5d. | 20 | 522.8 | nr. 2233: Cowgill, 1989 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 2800 | nr. 2408: Price, 1974 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 24 | 24 | 2100 | nr. 922: Turnbull, 1954 |
| Vissen F | Pimephales promelas | juv., 0.2-0.5g | LC50 | static | 96 | 20 | 100 | nr. 11951: Ewell, 1986 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 800 | nr. 623: Bridie, 1979 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 48 | 24 | 1850 | nr. 922: Turnbull, 1954 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 24 | 21-23 | 1800 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 48 | 21-23 | 1550 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 96 | 21-23 | 1400 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 6d. | 21-23 | 560 | nr. 508: Wallen, 1957 |
| Vissen F | Pimephales promelas | 31d., 20mm, 0.12g | LC50 | flow through | 96 | 26 | 4710 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | fry, 10-15d, 11.6mg, 9.5mm | LC50 | static | 96 | 22 | 1480 | nr. 10432: Mayes, 1983 |
| Vissen F | Pimephales promelas | juv., 30-35d, 76.8mg, 15mm | LC50 | static | 96 | 22 | 1550 | nr. 10432: Mayes, 1983 |
| Vissen F | Pimephales promelas | subadult, 65-94d, 391mg, 28mm | LC50 | static | 96 | 22 | 1370 | nr. 10432: Mayes, 1983 |
| Vissen M | Cyprinidon variegatus | ND | LC50 | static | 96 | ND | >540 | nr. 6634: Heitmueller, 1981 |
| Zoöplankton F | Daphnia magna | 1st en 2nd instar larvae | LC50 | static | 96 | 20 | 100 | nr. 11951: Ewell, 1986 |
| Zoöplankton F | Daphnia magna | neonates | LC50 | static | 48 | 20.5 | 110 | nr. 10810: Cowgill, 1985 |

| | | | | | | | | |
|---------------|--------------------|----------|------|--------|----|------|-------|------------------------------|
| Zoöplankton F | Daphnia magna | neonates | LC50 | static | 48 | 20.5 | 116 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 10.95 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 180 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 170 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 55 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 20.5 | 99 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 20.5 | 104.3 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 20.5 | 118.9 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neonates | LC50 | static | 48 | 20.5 | 77.9 | nr. 10810: Cowgill, 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

R36 = irritating to eyes

R38 = irritating to skin

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:

Naam chemische stof: Diethylamine

Chemische formule: C₄ H₁₁ N

Moleculair gewicht: 73,16

Densiteit (g/l): 708

Dampdruk (Pa): 53 320

Oplosbaarheid (g/l): 708

Pow: 1

Aggregatietoestand: Vloeistof

CAS registratie nummer: 109-89-7

UN-nummer: 1154

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------------|
| Fytoplankton F | Selenastrum capricornutum | ND | EC50 gr | ND | 96 | 25 | 20 | nr. 5089: Calamari, 1980 |
| Vissen F | Poecilia reticulata | ND | LC50 | ND | 96 | ? | 130 | nr. 11455: Van Leeuwen, 1985 |
| Zoöplankton F | Daphnia magna | ND | LC50 | ND | 48 | 20 | 56 | nr. 11455: Van Leeuwen, 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

R36 = irritating to the eyes

R37 = irritating to respiratory system

Safety phrases

S16 = keep away from sources of ignition - no smoking

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S29 = do not empty into drains

CHEMISCHE GEGEVENS:

Naam chemische stof: Diethyleen glycol monomethyl ether

Chemische formule: C5 H12 O3

CAS registratie nummer: 111-77-3

Moleculair gewicht: 120,17

UN-nummer: /

Densiteit (g/l): 990

Dampdruk (Pa): 13

Oplosbaarheid (g/l): 990

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: 1

Carcinogeen: N

Gesamp E: 0

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 7500 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Diethyleenglycol

Chemische formule: C4 H10 O3

Moleculair gewicht: 106,14

Densiteit (g/l): 1 118

Dampdruk (Pa): 1

Oplosbaarheid (g/l): 1 118

Pow: 2

Aggregatietoestand: Vloeistof

CAS registratie nummer: 111-46-6

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 0

Gesamp D: 0

Gesamp E: 0

Persistentie: ?

Carcinogeen: N

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Scenedesmus quadricauda | ? | PGR | static | 7d | 27 | 2700 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 10745 | nr. 5303: Bringmann, 1980 |
| Invertebraten M | Artemia salina | 24 | LC50 | static | 24 | 24 | > 100 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 34d, 19.1mm, 0.102g | LC50 | flow through | 96 | 25 | 75200 | nr. 3217: Geiger, 1990 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 21 | > 100 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | > 100 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Diethyleentriamine

Chemische formule: C4 H13 N3

Moleculair gewicht: 103,20

Densiteit (g/l): 954

Dampdruk (Pa): 50

Oplosbaarheid (g/l): 954

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 111-40-0

UN-nummer: 2079

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: XX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 710 | nr. 2408: Price, 1974 |
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC50 | static | 48 | 25 | 1000 | nr. 10132: Tonogai, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R21= harmful in contact with skin

R22 = harmful if swallowed

R34 = causes burns

R43 = may cause sensitization by skin contact

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 = wear suitable protective clothing

S37 = wear suitable gloves

S39 = wear eye/face protection

CHEMISCHE GEGEVENS:

Naam chemische stof: Diethylether

Chemische formule: C₄ H₁₀ O

Moleculair gewicht: 74,12

Densiteit (g/l): 714

Dampdruk (Pa): 59 000

Oplosbaarheid (g/l): 34

Pow: ?

Aggregatietoestand: Vloeistof

CAS registratie nummer: 60-29-7

UN-nummer: 1155

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 0

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: ED

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|-----------------------|
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | > 10 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | > 10 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R12 = extremely flammable

R19 = may form explosive peroxides

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Difenylether**Chemische formule:** C12 H10 O**Moleculair gewicht:** 170,22**Densiteit (g/l):** 1 070**Dampdruk (Pa):** 8**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 101-84-8**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Vissen F | Pimephales promelas | 0.12g | LC50 | static | 96 | ? | 2.4 | nr. 6334: Heitmueller, 1981 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | flow through | 96 | 25 | 4 | nr. 10183: Veith, 1983 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 48 | 22 | 0.67 | nr. 5184: LeBlanc, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Diisobutylketon**Chemische formule:** C₉ H₁₈ O**Moleculair gewicht:** 142,27**Densiteit (g/l):** 806**Dampdruk (Pa):** 227**Oplosbaarheid (g/l):** 8**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 108-83-8**UN-nummer:** 1157**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** ?**Gesamp E:** X**Gedrag:** FD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 65 | nr. 2408: Price, 1974 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R37 = irritating to respiratory system

Safety phrases

S24 = avoid contact with skin

CHEMISCHE GEGEVENS:

Naam chemische stof: Diisopropanolamine

Chemische formule: C6 H15 N O2

CAS registratie nummer: 110-97-4

Moleculair gewicht: 133,22

UN-nummer: /

Densiteit (g/l): 999

Dampdruk (Pa): 3

Oplosbaarheid (g/l): 861

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: X

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|-------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 1100 | nr. 623: Bridie, 1979 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Diisopropylamine**Chemische formule:** C₆ H₁₅ N**Moleculair gewicht:** 101,22**Densiteit (g/l):** 717**Dampdruk (Pa):** 9 331**Oplosbaarheid (g/l):** 71,7**Pow:** 2**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 108-18-9**UN-nummer:** 1158**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|----------------------------|---------------|-------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Gomphonema parvulum | log phase, 10000 cells/ml | PGR | ND | 96 | 23 | 32 | nr. 11044: Hanstveit, 1985 |
| Fytoplankton F | Stephanodiscus hantzschii | log phase, 40000 cells/ml | EC50gr. | ND | 96 | 17 | 27 | nr. 11044: Hanstveit, 1985 |
| Fytoplankton F | Chlorella pyrenoidasa | log phase, 10000 cells/ml | EC50gr. | static | 96 | 23 | 360 | nr. 5336: Adema, 1981 |
| Fytoplankton F | Selenastrum capricornutum | log phase, 50000 cells/ml | EC50gr. | static | 96 | 23 | 48 | nr. 5336: Adema, 1981 |
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr. | static | 96 | 23 | 20 | nr. 5089: Calamari, 1980 |
| Vissen F | Poecilia reticulata | 21-28d. | LC50 | renewal 14d | 23 | | 1130 | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d. | LC50 | renewal 7d | 23 | | >100 | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d. | LC50 | renewal 96 | 23 | | 1000 | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d. | LC50 | renewal 48 | 23 | | 2400 | nr. 5336: Adema, 1981 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 24 | 19 | 180-5 | nr. 5336: Adema, 1981 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 19 | 448 | nr. 5675: Hermens, 1984 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

CHEMISCHE GEGEVENS:

Naam chemische stof: Diisopropylether

Chemische formule: C₆ H₁₄ O

Moleculair gewicht: 102,2

Densiteit (g/l): 724

Dampdruk (Pa): 18 000

Oplosbaarheid (g/l): 4

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 108-20-3

UN-nummer: 1159

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Gesamp D: 0

Gesamp E: 0

Persistentie: ?

Carcinogeen: N

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-------------------------|
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 380 | nr. 623: Bridie, 1979 |
| Vissen F | Pimephales promelas | 34d, 19mm, 0.104g | LC50 | flow through | 96 | 25 | 786 | nr. 12447: Geiger, 1985 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 6600 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

R19 = may form explosive peroxides

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S33= take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Dimethylamine**Chemische formule:** C₂ H₇ N**Moleculair gewicht:** 45,1**Densiteit (g/l):** 900**Dampdruk (Pa):** 28 708**Oplosbaarheid (g/l):** 900**Pow:** 0**Aggregatietoestand:** Gas**CAS registratie nummer:** 124-40-3**UN-nummer:** 1032**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** ?**Gesamp E:** XXX**Gedrag:** GD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------------|
| Fytoplankton F | Selenastrum capricornutum | ? | EC50gr. | static | 96 | 15 | 6.2 | nr. 871: Calamari, 1979 |
| Vissen F | Oncorhynchus mykiss | ? | LC50 | renewal | 96 | 15 | 20 | nr. 871: Calamari, 1979 |
| Vissen F | Oncorhynchus mykiss | ? | LC50 | renewal | 96 | 15 | 120 | nr. 871: Calamari, 1979 |
| Zoöplankton F | Daphnia magna | ? | EC50 | static | 96 | 15 | 46 | nr. 871: Calamari, 1979 |
| Zoöplankton F | Daphnia magna | ? | LC50 | renewal | 48 | ? | 50 | nr. 11455: Van Leeuwen, 1985 |

RISK AND SAFETY PHRASES:**Risk phrases**

R13 = extremely flammable liquefied gas

R36 = irritating to eyes

R37 = irritating to respiratory system

Safety phrases

S16 = keep away from sources of ignition - no smoking

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S29 = do not empty into drains

CHEMISCHE GEGEVENS:

Naam chemische stof: Dinitrofenol

Chemische formule: C6 H4 N2 O5

Moleculair gewicht: 184,12

Densiteit (g/l): 1 683

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 100

Pow: 3

Aggregatietoestand: Vaste stof

CAS registratie nummer: 25 550-58-7

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 3

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Vissen F | Notopterus notopterus | 8.6-11cm, 14.4-19g | LC50 | static | 96 | ? | 1.34 | nr. 15670: Verma, 1981 |

RISK AND SAFETY PHRASES:**Risk phrases**

R23 = toxic by inhalation

R24 = toxic in contact with skin

R25 = toxic if swallowed

R33 = danger of cumulative effects

Safety phrases

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S37 = wear suitable gloves

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Epichloorhydrine**Chemische formule:** C3 H5 Cl O**Moleculair gewicht:** 92,53**Densiteit (g/l):** 1 180**Dampdruk (Pa):** 1 730**Oplosbaarheid (g/l):** 67**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 106-89-8**UN-nummer:** 2023**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|-----------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Chilomonas paramecium | ? | PGR | ? | 48 | 20 | 29 | nr. 5719: Bringmann, 1980 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC 50 | static | 96 | 23 | 35 | nr. 863: Dawson, 1977 |
| Vissen F | Pimephales promelas | 30-35d., 76.8mg; 14.9mm | LC50 | static | 96 | 21-23 | 10.6 | nr. 10432 : Mayes, 1983 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 18 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 30 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 40 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R23 = toxic by inhalation

R24 = toxic in contact with skin

R25 = toxic if swallowed

Safety phrases

S7 = keep container tightly closed

S9 = keep container in a well ventilated place

S25 = avoid contact with eyes

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Ethanol

Chemische formule: C₂ H₆ O

Moleculair gewicht: 46,03

Densiteit (g/l): 790

Dampdruk (Pa): 5 875

Oplosbaarheid (g/l): 790

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 64-17-5

UN-nummer: 1170

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 0

Gesamp D: 0

Gesamp E: 0

Persistentie: ?

Carcinogeen: N

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-----------------------------|
| Fytoplankton M | Skeletonema costatum | 100000cells/ml | EC50gr. | static | 5d. | 20 | 10943 | nr. 2233: Cowgill, 1989 |
| Fytoplankton M | Skeletonema costatum | 100000cells/ml | EC50gr. | static | 5d. | 20 | 11619 | nr. 2233: Cowgill, 1989 |
| Invertebraten M | Nitocra spinipes | adult, 3-6weken | LC50 | static | 96 | 21 | 7750 | nr. 10870 : Bengtsson, 1984 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | >100 | nr. 2408: Price, 1974 |
| Invertebraten M | Nitocra spinipes | 0.6-0.8mm | LC50 | ND | 96 | 20 | 7750 | nr. 5185: Linden, 1979 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 14700 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 24 | 20 | 18000 | nr. 719: Mattson, 1976 |
| Vissen F | Oncorhynchus mykiss | 0.8g | LC50 | static | 96 | 12 | 13000 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | fingerling, 9.2cm, 9.5g | LC50 | flow through | 24 | 10 | 11200 | nr. 991: Majewski, 1978 |
| Vissen F | Carassius auratus | ND | LC50 | ND | 48 | ND | 9500 | nr. 15192: Nishiuchi, 1967 |
| Vissen F | Poecilia reticulata | 2-3 maand | LC50 | renewal 7d. | 22 | | 11100 | nr. 6354: Koneman, 1981 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 48 | ND | 15000 | nr. 15192: Nishiuchi, 1967 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 72 | 20 | 13480 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | 30d., 19.4mm, 0.099g | LC50 | flow through | 96 | 24 | 14200 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 96 | 20 | 13480 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 48 | 20 | 13480 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 0.2-0.5g | LC50 | static | 96 | 20 | >100 | nr. 11951 : Ewell, 1986 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 10000 | nr. 707: Bringmann, 1982 |

| | | | | | | | | |
|---------------|--------------------|-----------------------------|---------|--------|----|----|-------|-------------------------------|
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | ND | 9300 | nr. 7884: Ziegenfuss, 1986 |
| Zoöplankton F | Daphnia magna | 1st en 2nd instar larvae | LC50 | static | 96 | 20 | >100 | nr. 11951: Ewell, 1986 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im. | static | 24 | 20 | >100 | nr. 846 : Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im. | static | 48 | 20 | >100 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | neon., <12h | LC50 | static | 48 | 25 | 9248 | nr. 212: Cowgill, 1991 |
| Zoöplankton F | Ceriodaphnia dubia | neonates, <12h | EC50im. | static | 48 | 25 | 8808 | nr. 212: Cowgill, 1991 |
| Zoöplankton F | Daphnia pulex | <24h | LC50 | static | 18 | 23 | 12100 | nr. 2192: Bowman 1981 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | >100 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S7= keep container tightly closed

S16 = keep away from sources of ignition - no smoking

CHEMISCHE GEGEVENS:Naam chemische stof: EthanolamineChemische formule: C2 H7 NOMoleculair gewicht: 61,1Densiteit (g/l): 1 016Dampdruk (Pa): 64Oplosbaarheid (g/l): 1 016Pow: 2Aggregatietoestand: VloeistofCAS registratie nummer: 141-43-5UN-nummer: 2491**GESAMP HAZARD PROFILE:**Gesamp A: 0Gesamp B: 1Persistentie: ?Gesamp D: 0Carcinogeen: NGesamp E: 0Gedrag: D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Fytoplankton F | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 300 | nr. 5303: Bringmann 1980 |
| Fytoplankton F | Scenedesmus quadricauda | ? | PGR | static | 8d. | 27 | 0.75 | nr. 15134: Bringmann, 1978 |
| Fytoplankton F | Scenedesmus quadricauda | ? | PGR | static | 7d. | 27 | 0.75 | nr. 15134: Bringmann, 1978 |
| Fytoplankton F | Chilomonas paramecium | ? | PGR | static | 48 | 20 | 733 | nr. 5719: Bringmann, 1980 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 96 | 20 | 170 | nr. 623: Bridie, 1979 |
| Vissen F | Lepomis macrochirus | 40-50mm | LC50 | static | 96 | 22 | 329.1 | nr. 6071: Wolverton, 1970 |
| Vissen F | Lepomis macrochirus | 40-50mm | LC50 | static | 72 | 22 | 345.9 | nr. 6071: Wolverton, 1970 |
| Vissen F | Lepomis macrochirus | 40-50mm | LC50 | static | 48 | 22 | 365.9 | nr. 6071: Wolverton, 1970 |
| Vissen F | Oncorhynchus mykiss | ? | LC50 | static | 96 | 10 | 150 | nr. 666: Johnson, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 20-22 | 140 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

R20 = harmful by inhalation

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R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethylacetaat**Chemische formule:** C4 H8 O2**CAS registratie nummer:** 141-78-6**Moleculair gewicht:** 88,12**UN-nummer:** 1173**Densiteit (g/l):** 902**Dampdruk (Pa):** 9 826**Oplosbaarheid (g/l):** 72**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Invertebraten M | Artemia salina | nauplii | EC50im. | static | 24 | 19 | 346 | nr. 11323: Foster, 1985 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 1590 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 29-30d., 18.2mm, 0.106g | LC50 | flow through | 96 | 24.3 | 230 | nr. 12448: Brooke, 1984 |
| Vissen F | Oncorhynchus mykiss | juv. | LC50 | renewal | 96 | ND | 425.3 | nr. 12210: Douglas, 1986 |
| Vissen F | Oncorhynchus mykiss | juv. | LC50 | renewal | 96 | ND | 484 | nr. 12210: Douglas, 1986 |
| Zoöplankton F | Daphnia magna | 24h | EC50im. | static | 24 | 25 | 2306 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | ND | EC50 | renewal | 24 | 20 | 2306 | nr. 6628: Kuhn, 1988 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 20 | 3090 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 2500 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

Safety phrases

S16 = keep away from sources of ignition - no smoking

S23= do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethylacetoacetaat**Chemische formule:** C6 H10 O3**Moleculair gewicht:** 130,16**Densiteit (g/l):** 1 028**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 1 028**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 141-97-9**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------------|
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 391 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Scenedesmus quadricauda | ? | PGR | static | 7d. | 27 | 7.6 | nr. 5303: Bringmann, 1980 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 790 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 800 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethylacrylaat**Chemische formule:** C5 H8 O2**Moleculair gewicht:** 100,13**Densiteit (g/l):** 923**Dampdruk (Pa):** 11 447**Oplosbaarheid (g/l):** 14**Pow:** 2**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 140-88-5**UN-nummer:** 1917**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 3**Gesamp D:** I**Gesamp E:** X**Persistentie:** ?**Carcinogeen:** N**Gedrag:** ED**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 12 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 32d.; 18.7mm; 0.095g | LC50 | static | 96 | 25.3 | 2.5 | nr. 3217: Geiger, 1990 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

R20 = harmful by inhalation

R22 = harmful if swallowed

R36 = irritating to eyes

R37 = irritating to respiratory system

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethylamine**Chemische formule:** C₂ H₇ N**Moleculair gewicht:** 45,1**Densiteit (g/l):** 800**Dampdruk (Pa):** 120 000**Oplosbaarheid (g/l):** 2**Pow:** 0**Aggregatietoestand:** Gas**CAS registratie nummer:** 75-04-7**UN-nummer:** 1036**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** GD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Chilomonas paramecium | ? | PGR | static | 48 | 20 | 11 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 45 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ? | PGR | static | 8d | 27 | 1.1 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ? | PGR | static | 8d. | 27 | 1.7 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ? | PGR | static | 7d. | 27 | 2.3 | nr. 5303: Bringmann, 1980 |
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC50 | static | 48 | 25 | 1000 | nr. 10132: Tonogai, 1982 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | static | 24 | 20-22 | 94 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 20-22 | 110 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

| Risk phrases | Safety phrases |
|---|--|
| R13 = extremely flammable liquefied gas | S16 = keep away from sources of ignition - no smoking |
| R36 = irritating to eyes | S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
| R37 = irritating to respiratory system | S29 = do not empty into drains |

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethylbenzeen**Chemische formule:** C₈H₁₀**Moleculair gewicht:** 106,14**Densiteit (g/l):** 867**Dampdruk (Pa):** 930**Oplosbaarheid (g/l):** 0,15**Pow:** 3**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 100-41-4**UN-nummer:** 1175**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** FE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Chilomonas paramecium | ND | PGR | static | 48 | 20 | > 55 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 140 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Selenastrum capricornutum | ND | PGR | static | 72 | 25 | 4.6 | nr. 13142: Galassi, 1988 |
| Fytoplankton F | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | > 160 | nr. 5303: Bringmann, 1980 |
| Fytoplankton M | Skeletonema costatum | ND | EC50 | static | 48 | 20 | 7.2 | ? |
| Invertebraten M | Cancer magister | 1st instar zoeal | LC50 | static | 48 | 13 | 40 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Cancer magister | 1st instar zoeal | LC50 | static | 96 | 13 | 13 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Crangon franciscorum | mature, 1.8g | LC50 | static | 24 | 16 | 22 | nr. 558: Benville, 1977 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 15.37 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Mysidopsis bahia | ND | LC50 | static | 72 | 25 | 4 | ? |
| Mollusken M | Crassostrea gigas | eggs | LC50 | static | 48 | 21 | 323 | nr. 8621: Legore, 1974 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | renewal | 96 | 12 | 4.2 | nr. 13142: Galassi, 1988 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 48.51 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 48.51 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 0.2g | LC50 | static | 96 | 17 | 88 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | 2.4g | LC50 | static | 96 | 12 | 14 | nr. 666: Johnson, 1980 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 97.1 | nr. 728: Pickering, 1966 |

| | | | | | | | | |
|---------------|-----------------------|-------------------------|--------|--------------|----|----|-------|----------------------------|
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 97.1 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 97.1 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 94.4 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 94.4 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 48.51 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 96 | 22 | 150 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | 169 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 32 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 32 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 35.08 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 28-32d, 19.5mm, 0.088g | LC50 | flow through | 96 | 22 | 9 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | 34d | LC50 | flow through | 96 | 26 | 12.1 | nr. 12858: Geiger, 1986 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 94.4 | nr. 728: Pickering, 1966 |
| Vissen M | Menidia menidia | ND | LC50 | static | 96 | 22 | 5.1 | ? |
| Vissen M | Morone saxatilis | juv., 6g | LC50 | static | 24 | 16 | 4.3 | nr. 558: Benville, 1977 |
| Vissen M | Cyprinidon variegatus | ND | LC50 | static | 96 | 12 | 14 | nr. 666: Johnson, 1980 |
| Vissen M | Morone saxatilis | juv., 6g | LC50 | static | 96 | 16 | 4.3 | nr. 558: Benville, 1977 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 2.12 | nr. 11936: Bobra, 1983 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 190 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 75 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 77 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 184 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 24 | ND | 2.2 | nr. 13142: Galassi, 1988 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R20 = harmful by inhalation
R37 = irritating to respiratory system

Safety phrases

S16 = keep away from sources of ignition - no smoking
S24 = avoid contact with skin
S25 = avoid contact with eyes
S29 = do not empty into drains

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleenchloorhydrine**Chemische formule:** C2 H5 Cl O**CAS registratie nummer:** 107-07-3**Moleculair gewicht:** 80,52**UN-nummer:** 1135**Densiteit (g/l):** 1 197**Dampdruk (Pa):** 730**Oplosbaarheid (g/l):** 1 197**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Vissen F | Carassius auratus | 2.9g | LC50 | flow through | 96 | 18.5 | 28.5 | nr. 12004: Thurston, 1985 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | flow through | 96 | ND | 54.4 | nr. 5876: Bttger, 1988 |
| Vissen F | Oncorhynchus mykiss | 3.10g | LC50 | flow through | 96 | 10 | 54.6 | nr. 12004: Thurston, 1985 |
| Vissen F | Oncorhynchus mykiss | 2.47g | LC50 | flow through | 96 | 10 | 54.2 | nr. 12004: Thurston, 1985 |
| Vissen F | Oncorhynchus mykiss | 2.2g | LC50 | flow through | 48 | 17.3 | 64.5 | nr. 10775: Phipps, 1985 |
| Vissen F | Oncorhynchus mykiss | 2.2g | LC50 | flow through | 72 | 17.3 | 43.5 | nr. 10775: Phipps, 1985 |
| Vissen F | Oncorhynchus mykiss | 2.2g | LC50 | flow through | 96 | 17.3 | 35.6 | nr. 10775: Phipps, 1985 |
| Vissen F | Carassius auratus | ND | LC50 | flow through | 96 | ND | 26.3 | nr. 5876: Bttger, 1988 |
| Vissen F | Carassius auratus | 2.9g | LC50 | flow through | 48 | 17.3 | 29.2 | nr. 10775: Phipps, 1985 |
| Vissen F | Carassius auratus | 2.9g | LC50 | flow through | 96 | 17.3 | 19.1 | nr. 10775: Phipps, 1985 |
| Vissen F | Lepomis macrochirus | 0.4 | LC50 | flow through | 96 | 17.3 | 21.5 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 0.65g | LC50 | flow through | 96 | 17 | 38.9 | nr. 12004: Thurston, 1985 |
| Vissen F | Pimephales promelas | 44d | LC50 | flow through | 96 | 17.5 | 39.2 | nr. 12447: Geiger, 1985 |
| Vissen F | Pimephales promelas | 32d, 21.9mm, 0.156g | LC50 | flow through | 96 | 25.7 | 37 | nr. 12448: Brooke, 1984 |
| Vissen F | Lepomis macrochirus | ND | LC50 | flow through | 96 | ND | 35.34 | nr. 5876: Bttger, 1988 |
| Vissen F | Lepomis macrochirus | 0.4 | LC50 | flow through | 72 | 17.3 | 23.3 | nr. 10775: Phipps, 1985 |
| Vissen F | Carassius auratus | 2.9g | LC50 | flow through | 72 | 17.3 | 23.4 | nr. 10775: Phipps, 1985 |
| Vissen F | Lepomis macrochirus | 0.4 | LC50 | flow through | 24 | 17.3 | 44.6 | nr. 10775: Phipps, 1985 |

| | | | | | | | | |
|---------------|---------------------|-------------------------|---------|--------------|----|------|-------|-----------------------------------|
| Vissen F | Pimephales promelas | 30d., 23.3mm, 0.193g | LC50 | flow through | 96 | 25.4 | 73.1 | nr. 12448: Brooke, 1984 |
| Vissen F | Lepomis macrochirus | 0.66g | LC50 | flow through | 96 | 19.3 | 33.2 | nr. 12004: Thurston, 1985 |
| Vissen F | Lepomis macrochirus | 1.79g | LC50 | flow through | 96 | 18.4 | 37.5 | nr. 12004: Thurston, 1985 |
| Vissen F | Gambusia affinis | 0.24g | LC50 | flow through | 96 | 15.5 | 15.5 | nr. 12004: Thurston, 1985 |
| Vissen F | Pimephales promelas | 30d, 24.3mm, 0.26g | LC50 | flow through | 96 | 25 | 50.5 | nr. 12858: Geiger, 1986 |
| Vissen F | Pimephales promelas | 28d, 15.1mm, 0.073g | LC50 | flow through | 96 | 24 | 83.7 | nr. 12858: Geiger, 1986 |
| Vissen F | Pimephales promelas | 0.4g | LC50 | flow through | 96 | 17.3 | 39.5 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 0.4g | LC50 | flow through | 72 | 17.3 | 43.5 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 0.4g | LC50 | flow through | 48 | 17.3 | 70.2 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 96 | ND | 38.65 | nr. 5876 : Bttger, 1988 |
| Vissen F | Lepomis macrochirus | 0.4 | LC50 | flow through | 48 | 17.3 | 27.6 | nr. 10775: Phipps, 1985 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 48 | ND | 212.6 | nr. 5876: Bttger, 1988 |
| Zoöplankton F | Daphnia pulex | <24 | LC50 | static | 48 | ND | 574 | nr. 11181: Mount, 1984 |
| Zoöplankton F | Daphnia pulex | <24 | EC50im. | static | 48 | 23 | 340 | nr. 12258: Elnabarawy, 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | ND | 308 | nr. 11181: Mount, 1984 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im. | static | 24 | 20 | 227 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 0-24h | LC50 | static | 48 | 23 | 189 | nr. 12004: Thurston, 1985 |
| Zoöplankton F | Daphnia magna | 0-24h | LC50 | static | 48 | 23 | 235 | nr. 12004: Thurston, 1985 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 23 | 320 | nr. 12258: Elnabarawy, 1986 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleendiamine**Chemische formule:** C₂ H₈ N₂**CAS registratie nummer:** 107-15-3**Moleculair gewicht:** 60,12**UN-nummer:** 1604**Densiteit (g/l):** 909**Dampdruk (Pa):** 1 200**Oplosbaarheid (g/l):** 909**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|------------------------------|
| Fytoplankton | Chilomonas paramecium | ? | PGR | static | 48 | 20 | 103 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 1.8 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Scenedesmus subspicatus | ? | EC50gr | static | 48 | 24 | > 100 | nr. 2997: Kuhn, 1990 |
| Fytoplankton F | Scenedesmus quadricauda | ? | PGR | static | 7d | 27 | 0.85 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Chlorella pyrenoidosa | 10 8 cells/100 ml | EC50gr | static | 96 | 20 | 100 | nr. 11455: Van Leeuwen, 1985 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 14 | nr. 2408: Price, 1974 |
| Vissen F | Salmo trutta | yearling | LC50 | static | 48 | 10 | 230 | nr. 448: Woodiwiss, 1974 |
| Vissen F | Pimephales promelas | 31d, 21mm, 0.13g | LC50 | flow through | 96 | 24 | 220 | nr. 3217: Geiger, 1990 |
| Zoöplankton F | Daphnia magna | 24h | EC50im | static | 24 | 25 | 14 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 19 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 16 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R20 = harmful by inhalation

R21 = harmful in contact with skin

R22 = harmful if swallowed

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleendibromide**Chemische formule:** C₂ H₄ Br**Moleculair gewicht:** 187,88**Densiteit (g/l):** 2 180**Dampdruk (Pa):** 1 133**Oplosbaarheid (g/l):** 9**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 106-93-4**UN-nummer:** 1605**GESAMP HAZARD PROFILE:****Gesamp A:** 2**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------|
| Vissen F | Centropomus undecimalis | juv., 0.25 g | LC50 | static | 48 | 22.9-2 | 6.2 | nr. 10693: Landau, 1984 |
| Vissen F | Micropterus salmoides | 7.6-13cm | LC50 | static | 48 | 25 | 15 | nr. 2786: Davis, 1959 |
| Vissen F | Micropterus salmoides | 7.6-13cm | LC50 | static | 24 | 25 | 15 | nr. 2786: Davis, 1959 |
| Vissen M | Cyprinodon variegatus | juv., 0.61 g | LC50 | static | 48 | 22.9-2 | 4.8 | nr. 10693: Landau, 1984 |

RISK AND SAFETY PHRASES:**Risk phrases**

R23 = toxic by inhalation

R24 = toxic in contact with skin

R25 = toxic if swallowed

Safety phrases

S25 = avoid contact with eyes

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleendichloride**Chemische formule:** C₂ H₄ Cl₂**CAS registratie nummer:** 107-06-2**Moleculair gewicht:** 98,96**UN-nummer:** 1184**Densiteit (g/l):** 1 253**Dampdruk (Pa):** 8 700**Oplosbaarheid (g/l):** 6**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 320 | nr. 2408: Price, 1974 |
| Invertebraten M | Artemia salina | nauplii | EC50im. | static | 24 | 19 | 93.64 | nr. 11322: Foster, 1984 |
| Invertebraten M | Artemia salina | nauplii stage 2 | EC50im. | static | 24 | 19 | 36.4 | nr. 11322: Foster, 1984 |
| Vissen F | Pimephales promelas | 30-35d. | LC50 | flow through | 96 | 25 | 116 | nr. 11227: Walbridge, 1983 |
| Vissen F | Pimephales promelas | 31d. | LC50 | flow through | 96 | 25 | 136 | nr. 12447: Geiger, 1985 |
| Vissen F | Pimephales promelas | 30-35d. | LC50 | flow through | 48 | 25 | 118 | nr. 11227: Walbridge, 1983 |
| Vissen F | Pimephales promelas | 30-35d. | LC50 | flow through | 72 | 25 | 116 | nr. 11227: Walbridge, 1983 |
| Vissen F | Oncorhynchus mykiss | 1.8g | LC50 | static | 96 | 13 | 225 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | 0.5-3g | LC50 | static | 24 | 15 | 198 | nr. 15923: Qureshi, 1982 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 24 | 22 | 600 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 96 | 22 | 430 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 118 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | 30-35d. | LC50 | flow through | 24 | 25 | 141 | nr. 11227: Walbridge, 1983 |
| Vissen M | Cyprinodon variegatus | ND | LC50 | static | 96 | ND | <230 | nr. 6634: Heitmüller, 1981 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im. | static | 48 | 20 | 324 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 20 | 320 | nr. 15981: Richter, 1983 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 20 | 160 | nr. 15981: Richter, 1983 |

| | | | | | | | | |
|---------------|---------------|-------|---------|--------|----|----|------|------------------------------|
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 20 | 180 | nr. 15981: Richter, 1983 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 20 | 315 | nr. 10579: Call, 1983 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 20 | 268 | nr. 10579: Call, 1983 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 20 | 183 | nr. 10579: Call, 1983 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 20 | 155 | nr. 10579: Call, 1983 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 15 | 1430 | nr. 15923: Qureshi, 1982 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 250 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 220 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 1350 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 20 | 270 | nr. 15981: Richter, 1983 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im. | static | 24 | 20 | 383 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 540 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleenglycol**Chemische formule:** C2 H6 O2**Moleculair gewicht:** 62,08**Densiteit (g/l):** 1 115**Dampdruk (Pa):** 2 266**Oplosbaarheid (g/l):** 1 115**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 107-21-1**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | > 200 | nr. 2408: Price, 1974 |
| Invertebraten M | Crangon crangon | ND | LC50 | renewal | 96 | ND | 50000 | nr. 925: Blackman, 1974 |
| Invertebraten M | Crangon crangon | ND | LC50 | renewal | 48 | ND | 10000 | nr. 925: Blackman, 1974 |
| Vissen F | Pimephales promelas | sub-adult, 65-94d, 391mg, 28mm | LC50 | static | 96 | 22 | 57000 | nr. 10432: Mayes, 1983 |
| Vissen F | Pimephales promelas | juv., 30-35d, 76.8mg, 15mm | LC50 | static | 96 | 22 | 49000 | nr. 10432: Mayes, 1983 |
| Vissen F | Pimephales promelas | fry, 10-15d, 11.6mg, 9.5mm | LC50 | static | 96 | 22 | 53000 | nr. 10432: Mayes, 1983 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | > 500 | nr. 623: Bridie, 1979 |
| Vissen F | Oncorhynchus mykiss | 0.7g | LC50 | static | 96 | 12 | 41000 | nr. 666: Johnson, 1980 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | > 100 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 24.5 | 45500 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 24.5 | 57600 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20.5 | 51000 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20.5 | 47400 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 24.5 | 51000 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20.5 | 41100 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 20.5 | 25500 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20.5 | 46300 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 24.5 | 51100 | nr. 10810: Cowgill, 1985 |

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|---------------|--------------------|-------|------|--------|----|------|-------|------------------------------|
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | > 100 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 20.5 | 22600 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 20.5 | 25800 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 24.5 | 13900 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 24.5 | 10500 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 24.5 | 6900 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 24.5 | 10000 | nr. 10810: Cowgill, 1985 |
| Zoöplankton F | Ceriodaphnia dubia | neon. | LC50 | static | 48 | 20.5 | 29700 | nr. 10810: Cowgill, 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

R22 = harmful if swallowed

Safety phrases

S2 = keep out of reach of children

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleenglycol monoethylether**Chemische formule:** C4 H10 O2**CAS registratie nummer:** 110-80-5**Moleculair gewicht:** 90,14**UN-nummer:** 1171**Densiteit (g/l):** 931**Dampdruk (Pa):** 825**Oplosbaarheid (g/l):** 931**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Fytoplankton | Anacystis aeruginosa | ND | PGR | static | 8d | 27 | 100 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | >100 | nr. 15134: Bringmann, 1978 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | >100 | nr. 2408: Price, 1974 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | >100 | nr. 863 : Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | >100 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleenglycol monomethylether**Chemische formule:** C3 H8 O2**CAS registratie nummer:** 109-86-4**Moleculair gewicht:** 76,1**UN-nummer:** 1188**Densiteit (g/l):** 966**Dampdruk (Pa):** 826**Oplosbaarheid (g/l):** 966**Pow:** < 1**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Chilomonas paramecium | ? | PGR | static | 48 | 20 | 2.2 | nr. 5719: Bringmann 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 1715 | nr. 5303: Bringmann 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | >100 | nr. 2408: Price, 1974 |
| Vissen F | Oncorhynchus mykiss | 1.1 g | LC50 | static | 96 | 12 | 16000 | nr. 666: Johnson, 1980 |
| Vissen F | Carassius auratus | 3.3 g | LC50 | static | 24 | 20 | > 500 | nr. 623: Bridie, 1979 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | > 100 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | ? | LC50 | static | 96 | 20 | > 100 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 21 | >100 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethyleenoxide**Chemische formule:** C₂ H₄ O**Moleculair gewicht:** 44,06**Densiteit (g/l):** 1,9**Dampdruk (Pa):** 150 000**Oplosbaarheid (g/l):** 1,9**Pow:** 0**Aggregatietoestand:** Gas**CAS registratie nummer:** 75-21-8**UN-nummer:** 1040**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** GD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|-------------------------|
| Invertebraten M | Artemia salina | ? | LC50 | static | 48 | ? | 490 | nr. 10117: Conway, 1983 |
| Invertebraten M | Artemia salina | ? | LC50 | static | 24 | ? | 350 | nr. 10117: Conway, 1983 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 90 | nr. 623: Bridie, 1979 |
| Vissen F | Pimephales promelas | ? | LC50 | static | 96 | ? | 84 | nr. 10117: Conway, 1983 |
| Zoöplankton F | Daphnia magna | ? | LC50 | static | 48 | ? | 137 | nr. 10117: Conway, 1983 |
| Zoöplankton F | Daphnia magna | ? | LC50 | static | 24 | ? | 260 | nr. 10117: Conway, 1983 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:

Naam chemische stof: Ethylmethacrylaat

Chemische formule: C6 H10 O2

Moleculair gewicht: 114,16

Densiteit (g/l): 915

Dampdruk (Pa): 1 995

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 97-63-2

UN-nummer: 2277

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1 Persistentie: ?

Gesamp D: I Carcinogeen: N

Gesamp E: XX Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------------|
| Fytoplankton F | Chilomonas paramecium | ? | PGR | ? | 48 | 20 | 178 | nr. 5719 :Bringmann, 1980 |

RISK AND SAFETY PHRASES:Risk phrases

R11 = highly flammable

R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ethylmethyleketon**Chemische formule:** C₄ H₈ O**Moleculair gewicht:** 72,12**Densiteit (g/l):** 806**Dampdruk (Pa):** 10 497**Oplosbaarheid (g/l):** 140**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 78-93-3**UN-nummer:** 1193**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** ?**Gesamp E:** X**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-----------------------------|
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 190 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Anacystis aeruginosa | ? | PGR | static | 8d. | 27 | 120 | nr. 15134: Bringmann, 1978 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 1950 | nr. 2408: Price, 1974 |
| Vissen F | Carassius auratus | ? | LC50 | static | 24 | ? | 2400 | nr. 5773: Jensen, 1978 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 3200 | nr. 10183: Veith, 1983 |
| Vissen M | Cyprinodon variegatus | ? | LC50 | static | 96 | ? | >400 | nr. 6334: Heitmueller, 1981 |
| Zoöplankton F | Daphnia magna | juv. | EC50im. | static | 48 | 22 | 5091 | nr. 2193: Randall, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Fenol**Chemische formule:** C6 H6 O**Moleculair gewicht:** 94,12**Densiteit (g/l):** 1 058**Dampdruk (Pa):** 35 455**Oplosbaarheid (g/l):** 69**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 108-95-2**UN-nummer:** 1671**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Fytoplankton F | Scenedesmus quadricauda | / | PGR | / | 7d | 24 | 7.5 | nr. 2997: Kuhn, 1990 |
| Invertebraten M | Crangon crangon | 4.8 cm; 1.1 g | LC50 | flow through | 96 | 15 | 20 | nr. 5800: Maddock, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 175 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | / | LC50 | static | 48 | 22 | 41 (so | nr. 2965: Curtis, 1981 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 48 | 23 | > 10 | nr. 863: Dawson, 1977 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 24 | 23 | 19 | nr. 863: Dawson, 1977 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 48 | 23 | 19 | nr. 863: Dawson, 1977 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 5.7 | nr. 863: Dawson, 1977 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 24 | 23 | 26 (so | nr. 863: Dawson, 1977 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 48 | 23 | 24 (so | nr. 863: Dawson, 1977 |
| Vissen F | Pimephales promelas | / | LC50 | static | 24 | 22 | 41 (so | nr. 2965: Curtis, 1981 |
| Vissen F | Pimephales promelas | / | LC50 | static | 96 | 22 | 34 (so | nr. 2965: Curtis, 1981 |
| Vissen F | Pimephales promelas | / | LC50 | static | 24 | 22 | 39 (h | nr. 2965: Curtis, 1981 |
| Vissen F | Pimephales promelas | / | LC50 | static | 48 | 22 | 39 (h | nr. 2965: Curtis, 1981 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 50 (so | nr. 728: Pickering, 1966 |
| Vissen F | Brachydanio rerio | / | LC50 | static | 96 | / | 36 | nr. 11037: Wellens, 1982 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 24 (so | nr. 863: Dawson, 1977 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 39 (so | nr. 728: Pickering, 1966 |

| | | | | | | | | |
|---------------|-------------------------|-------------------------|------|--------|----|----|--------|------------------------------|
| Vissen F | Pimephales promelas | / | LC50 | static | 96 | 22 | 32 (h | nr. 2965: Curtis, 1981 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 50 (so | nr.728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 46 | nr.728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 44 | nr.728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 96 | 20 | 44 (so | nr.623: Bridie, 1979 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 48 | 20 | 49 (so | nr.623: Bridie, 1979 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 50 (so | nr.623: Bridie, 1979 |
| Vissen F | Pimephales promelas | / | LC50 | static | 96 | 25 | 24 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | / | LC50 | static | 96 | 15 | 36 | nr. 12448: Brooke, 1984 |
| Vissen F | Oncorhynchus mykiss | fry, 0.15g | LC50 | static | 24 | 20 | 5.6-1 | nr. 874: Dave, 1979 |
| Vissen M | Gobius minutus | / | LC50 | static | 96 | 15 | 10 | nr. 11037: Wellens, 1982 |
| Zoöplankton F | Brachionus calyciflorus | juv. | LC50 | static | 24 | 24 | 1.2 | nr. 9385: Snell, 1991 |
| Zoöplankton F | Daphnia magna | adult | LC50 | static | 24 | 20 | 61 | nr. 11455: Van Leeuwen, 1985 |
| Zoöplankton F | Daphnia magna | adult | LC50 | static | 48 | 20 | 21 | nr. 11455: Van Leeuwen, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 7.8 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 7 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 17 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

R24 = toxic in contact with skin

R25 = toxic if swallowed

R34 = causes burns

Safety phrases

S2 = keep out of reach of children

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Ftaalzuuranhydride

Chemische formule: C8 H4 O3

Moleculair gewicht: 148,12

Densiteit (g/l): 1 500

Dampdruk (Pa): 1

Oplosbaarheid (g/l): 15

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 85-44-9

UN-nummer: 2214

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|-------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Vissen F | Brachydanio rerio | fert. eggs | LC50 | renewal | 7d | 25 | 560 | nr. 2852: Van Leeuwen, 1990 |

RISK AND SAFETY PHRASES:

| <u>Risk phrases</u> | <u>Safety phrases</u> |
|--|-----------------------|
| R36 = irritating to eyes | / |
| R37 = irritating to respiratory system | |
| R38 = irritating to skin | |

CHEMISCHE GEGEVENS:**Naam chemische stof:** Furfural**Chemische formule:** C5 H4 O2**Moleculair gewicht:** 96,09**Densiteit (g/l):** 1 159**Dampdruk (Pa):** 140**Oplosbaarheid (g/l):** 89**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 98-01-1**UN-nummer:** 1199**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-----------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Chilomonas paramecium | ? | PGR | static | 48 | 20 | 3.9 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 0.6 | nr. 5303: Bringmann, 1980 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 96 | 20 | 32 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 72 | 20 | 32 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 48 | 20 | 37 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 24 | 20 | 48 | nr. 719: Mattson, 1976 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 48 | 20 | 16 | nr. 922: Turnbull, 1954 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 24 | 20 | 32 | nr. 922: Turnbull, 1954 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 23-24 | 24 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 23-24 | 24 | nr. 508: Wallen, 1957 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 21 | 29 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 36 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R23 = toxic by inhalation
R25 = toxic if swallowed

Safety phrases

S24 = avoid contact with skin
S25 = avoid contact with eyes
S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Furfurylalcohol**Chemische formule:** C5 H6 O2**Moleculair gewicht:** 98,11**Densiteit (g/l):** 1 130**Dampdruk (Pa):** 50**Oplosbaarheid (g/l):** 1 130**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 98-00-0**UN-nummer:** 2874**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | ? | 25 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Chilomonas paramecium | ND | PGR | ? | 48 | 20 | 0.54 | nr. 5719: Bringmann, 1980 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 115 | nr. 5718: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 328 | nr. 5718: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

R20 = harmful by inhalation

/

R21 = harmful in contact with skin

R22 = harmful if swallowed

CHEMISCHE GEGEVENS:**Naam chemische stof:** Gamma-lindaan**Chemische formule:** C₆ H₆ Cl₆**Moleculair gewicht:** 290,82**Densiteit (g/l):** 1 900**Dampdruk (Pa):** 10**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 58-89-9**UN-nummer:** 2761**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 4**Persistentie:** Y**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XXX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|--------------------------|
| Fytoplankton F | Microcystis aeruginosa | / | EC50gr | static | 72 | 25 | 0.3 | nr. 5800: Maddock, 1980 |
| Fytoplankton M | Phaeodactylum tricornutum | / | LC50 | / | 10d | / | 0.005 | nr. 5800: Maddock, 1980 |
| Invertebraten M | Gammarus pulex | / | LC50 | static | 48 | 15 | 0.03 | nr. 666: Johnson, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 14 | nr. 2408: Price, 1974 |
| Invertebraten M | Crangon septimspinosa | 3.8cm, 0.6g | LC50 | renewal | 96 | 10 | 5 µg/l | nr. 5810: McLeese, 1979 |
| Invertebraten M | Palaemonetes vulgaris | adult | LC50 | static | 96 | 21 | 10 µg | nr. 420: Tatem, 1978 |
| Invertebraten M | Pagrus longicarpus | / | LC50 | static | 96 | / | 5 µg/l | / |
| Invertebraten M | Gammarus fasciatus | juv., 0.007g | LC50 | static | 96 | 20 | 10 µg | nr. 11951: Ewell, 1986 |
| Invertebraten M | Penaeus aztecus | juv., 0.3g | LC50 | static | 96 | 21 | 400 µ | nr. 420: Tatem, 1978 |
| Mollusken M | Crassostrea virginica | egg | LC50 | static | 48 | 21 | 9.1 p | nr. 8621: Legore, 1974 |
| Vissen F | Salmo gairdneri | fry | LC50 | static | 96 | 20 | 0.027 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | fry, 13-21d | LC50 | static | 48 | 12 | 1.05 | nr. 138: Edsall, 1991 |
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 0.8 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | / | LC50 | static | 96 | 22 | 87 µg | nr. 2965: Curtis, 1981 |
| Vissen F | Salmo gairdneri | fry | LC50 | static | 96 | 20 | 0.022 | nr. 666: Johnson, 1980 |
| Vissen F | Salmo gairdneri | fry | LC50 | static | 48 | 20 | 0.023 | nr. 666: Johnson, 1980 |
| Vissen F | Salmo gairdneri | fry | LC50 | static | 24 | 20 | 0.037 | nr. 666: Johnson, 1980 |
| Vissen F | Cyprinus carpio | / | LC50 | static | 48 | 18 | 0.32 | nr. 6124: Funasaka, 1976 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 0.062 | nr. 863: Dawson, 1977 |

| | | | | | | | | |
|---------------|-------------------------|----------|------|--------------|----|----|-------|------------------------------|
| Vissen F | Lepomis macrochirus | 30-40mm | LC50 | static | 96 | 23 | 68 µg | nr. 840: Crews, 1974 |
| Vissen M | Cyprinodon variegatus | / | LC50 | static | 96 | / | 104 µ | nr. 6334: Heitmueller, 1981 |
| Vissen M | Menidia menidia | 33-75 mm | LC50 | static | 96 | 23 | 9 ppb | nr. 863: Dawson, 1977 |
| Vissen M | Oncorhynchus kisutch | fry, 1g | LC50 | flow through | 96 | 9 | 0.041 | nr. 15191: Moles, 1981 |
| Zoöplankton F | Brachionus calicyflorus | juv. | LC50 | static | 24 | 25 | 3.4 | nr. 9385: Snell, 1991 |
| Zoöplankton F | Daphnia pulex | juv. | LC50 | static | 48 | 20 | 520 µ | nr. 11455: Van Leeuwen, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 460 µ | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 1.250 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 21 | 16 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

/

/

CHEMISCHE GEGEVENS:**Naam chemische stof:** Glycerine**Chemische formule:** C3 H8 O3**Moleculair gewicht:** 92,11**Densiteit (g/l):** 1 261**Dampdruk (Pa):** 10 100**Oplosbaarheid (g/l):** 1 261**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 56-81-5**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Gesamp D:** 0**Gesamp E:** 0**Persistentie:** ?**Carcinogeen:** N**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 3200 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | > 100 | nr. 5303: Bringmann, 1980 |
| Vissen F | Oncorhynchus mykiss | 0.9g | LC50 | static | 96 | 12 | 54000 | nr. 666: Johnson, 1980 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | > 500 | nr. 623: Bridie, 1979 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | > 10g | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | > 100 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

CHEMISCHE GEGEVENS:**Naam chemische stof:** Heptaan**Chemische formule:** C₇H₁₆**Moleculair gewicht:** 100,23**Densiteit (g/l):** 683,8**Dampdruk (Pa):** 4 799**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 142-82-5**UN-nummer:** 1206**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** E**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|-----------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Mollusken M | Viviparus bengalensis | ND | EC50im. | static | 96 | 28 | 472 | nr. 770: Das, 1988 |
| Vissen F | Tilapia mossambica | 10g | LC50 | static | 96 | 27.8 | 375 | nr. 771: Ghatak, 1988 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 20-27 | 4924 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 20-27 | 4924 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 24 | 20-27 | 4924 | nr. 508: Wallen, 1957 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | >10 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S23 = do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Hydrazine

Chemische formule: N₂ H₄

Moleculair gewicht: 32,06

Densiteit (g/l): 1 010

Dampdruk (Pa): 1 386

Oplosbaarheid (g/l): 1 010

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 302-01-2

UN-nummer: 2030

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 3

Persistentie: ?

Gesamp D: II

Carcinogeen: Y

Gesamp E: XXX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|--------------------------------|---------------|--------------|----------|-----------|-------------|------------------------|
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr. | static | 72 | ND | 0.013 | nr. 7358: Harrah, 1977 |
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr. | static | 96 | ND | 0.02 | nr. 7358: Harrah, 1977 |
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr. | static | 72 | ND | 0.02 | nr. 7358: Harrah, 1977 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 48 | 23 | 1.58 (| nr. 673: Slonim, 1977 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 24 | 23 | 4.6 (h | nr. 673: Slonim, 1977 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 48 | 23 | 3.98 (| nr. 673: Slonim, 1977 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 72 | 23 | 3.85 (| nr. 673: Slonim, 1977 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 24 | 23 | 3.32 (| nr. 673: Slonim, 1977 |
| Vissen F | Lepomis macrochirus | 42mm, 26-58mm | LC50 | flow through | 96 | 15.5 | 1 | nr. 10374: Hunt, 1981 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 72 | 23 | 0.82 (| nr. 673: Slonim, 1977 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 96 | 23 | 0.61 (| nr. 673: Slonim, 1977 |
| Vissen F | Lepomis macrochirus | 42mm, 26-58mm | LC50 | flow through | 24 | 10 | 7.7 | nr. 10374: Hunt, 1981 |
| Vissen F | Lepomis macrochirus | 42mm, 26-58mm | LC50 | flow through | 96 | 10 | 1.6 | nr. 10374: Hunt, 1981 |
| Vissen F | Lepomis macrochirus | 62.9mm, 2.3g | LC50 | static | 96 | 23 | 1.08 | nr. 472 : Fisher, 1980 |
| Vissen F | Lepomis macrochirus | 42mm, 26-58mm | LC50 | static | 24 | 21 | 1.7 | nr. 10374: Hunt, 1981 |
| Vissen F | Lepomis macrochirus | 42mm, 26-58mm | LC50 | static | 96 | 21 | 1.2 | nr. 10374: Hunt, 1981 |
| Vissen F | Poecilia reticulata | 4 maand, 0.1-0.25g, 2.4-3.6 cm | LC50 | static | 96 | 23 | 3.85 (| nr. 673: Slonim, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases**Safety phrases**

R24 = toxic in contact with skin

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

R25 = toxic if swallowed

R34 = causes burns

CHEMISCHE GEGEVENS:**Naam chemische stof:** Hydrochinon**Chemische formule:** C6 H6 O2**CAS registratie nummer:** 123-31-9**Moleculair gewicht:** 110,1**UN-nummer:** /**Densiteit (g/l):** 1 360**Dampdruk (Pa):** 533**Oplosbaarheid (g/l):** 65**Pow:** 3,5**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** ?**Gesamp B:** ?**Persistentie:** ?**Gesamp D:** ?**Carcinogeen:** ?**Gesamp E:** ?**Gedrag:** ?**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|-----------------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 8d | 27 | 0,93 | nr. 15134: Bringmann, 1978 |
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 11 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 22 | nr. 5719: Bringmann, 1980 |
| Invertebraten M | Crangon septemspinosus | 6.4-8.3cm, 2.4-2.5g | LC50 | renewal | 84 | 10 | 0,83 | nr. 5810: McLeese, 1979 |
| Vissen F | Oncorhynchus mykiss | 1.2-3.8 g, 4.6-6.4 cm, std length | LC50 | flow through | 96 | 14.1-1 | 0,638 | nr. 10688: Hodson, 1984 |
| Vissen F | Oncorhynchus mykiss | 3.5cm, 0.5g | LC50 | flow through | 96 | 14 | 0,044 | nr. 569: Degraeve, 1980 |
| Vissen F | Oncorhynchus mykiss | 11.3cm, 16.8g | LC50 | flow through | 96 | 14 | 0,097 | nr. 569: Degraeve, 1980 |
| Zoöplankton F | Daphnia pulex | ND | LC50 | flow through | 48 | 14 | 0,162 | nr. 569: Degraeve, 1980 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 0,09 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 0,12 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im | static | 48 | 20 | 0,29 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im | static | 24 | 20 | 0,32 | nr. 846: Kuhn, 1989 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:Naam chemische stof: IJzer(3+)chlorideChemische formule: Fe Cl3Moleculair gewicht: 162,20Densiteit (g/l): 2 900Dampdruk (Pa): 0Oplosbaarheid (g/l): 1 237Pow: 0Aggregatietoestand: Vaste stofCAS registratie nummer: 7705-08-0UN-nummer: 1773**GESAMP HAZARD PROFILE:**Gesamp A: 0Gesamp B: 2Persistentie: ?Gesamp D: 0Carcinogeen: NGesamp E: XGedrag: SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Invertebraten M | Nitocra spinipes | adult | LC50 | static | 96 | 20 | 21 | nr. 2183: Bengtsson, 1978 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 96 | 21-24 | 26 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 48 | 21-24 | 26 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 24 | 21-24 | 26 | nr. 508: Wallen, 1957 |
| Zoöplankton F | Daphnia magna | 12h | EC50im | static | 48 | 18 | 9.6 | nr. 2022: Biesinger, 1972 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 96 | 21-25 | 5.2 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 21-25 | 7.3 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 21-25 | 12 | nr. 915: Dowden, 1965 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Isoamylacetaat

Chemische formule: C7 H14 O2

Moleculair gewicht: 130,21

Densiteit (g/l): 876

Dampdruk (Pa): 650

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 123-92-2

UN-nummer: 1104

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Gesamp D: 1

Gesamp E: X

Persistentie: ?

Carcinogeen: N

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Zoöplankton F | Daphnia magna | ? | EC50 | static | 24 | 20 | 205 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

Safety phrases

S23 = do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Isobutanol**Chemische formule:** C₄ H₁₀ O**Moleculair gewicht:** 74,14**Densiteit (g/l):** 802**Dampdruk (Pa):** 1 200**Oplosbaarheid (g/l):** 70**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 78-83-1**UN-nummer:** 1212**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 48 | 24 | 600 | nr. 2408: Price, 1974 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 1400 | nr. 2408: Price, 1974 |
| Vissen F | Carassius auratus | 1.23g | LC50 | static | 96 | 17.5 | 2030 | nr. 12004: Thurston, 1985 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 1460 | nr. 10183: Veith, 1983 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 2600 | nr. 623: Bridie, 1979 |
| Vissen F | Pimephales promelas | 0.63g | LC50 | flow through | 96 | 17.6 | 1510 | nr. 12004: Thurston, 1985 |
| Vissen F | Carassius auratus | ND | LC50 | flow through | 96 | ND | 2028 | nr. 5876: Bttger, 1988 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | flow through | 96 | ND | 1332 | nr. 5876: Bttger, 1988 |
| Vissen F | Oncorhynchus mykiss | 1.67 | LC50 | flow through | 96 | 11 | 1330 | nr. 12004: Thurston, 1985 |
| Vissen F | Gambusia affinis | 0.86g | LC50 | flow through | 96 | 17 | 1800 | nr. 12004: Thurston, 1985 |
| Vissen F | Gambusia affinis | ND | LC50 | flow through | 96 | ND | 1798 | nr. 5876: Bttger, 1988 |
| Vissen F | Lepomis macrochirus | ND | LC50 | flow through | 96 | ND | 1597 | nr. 5876: Bttger, 1988 |
| Vissen F | Lepomis macrochirus | 1.15g | LC50 | flow through | 96 | 17.6 | 1600 | nr. 12004: Thurston, 1985 |
| Vissen F | Pimephales promelas | 30d., 19.7mm, 0.098g | LC50 | flow through | 96 | 26 | 1430 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 96 | ND | 1511 | nr. 5876: Bttger, 1988 |
| Zoöplankton F | Daphnia magna | <24h. | EC50im. | static | 24 | 25 | 1250 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20.5 | 1190 | nr. 12004: Thurston, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20.5 | 1030 | nr. 12004: Thurston, 1985 |

| | | | | | | | | |
|---------------|---------------|--------|---------|---------|----|----|------|-----------------------------|
| Zoöplankton F | Daphnia magna | 6-24h. | EC50im. | static | 24 | 20 | 1463 | nr.846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 6-24h. | EC50im. | static | 48 | 20 | 1439 | nr.846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 24h. | LC50 | static | 24 | 21 | 1220 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 1250 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 48 | ND | 1110 | nr. 5876: Bttger, 1988 |
| Zoöplankton F | Daphnia pulex | <24 | EC50 | static | 48 | 23 | 1100 | nr. 12258: Elnabarawy, 1986 |
| Zoöplankton F | Daphnia magna | ND | EC50 | renewal | 24 | ND | 1250 | nr. 6628 : Kuhn, 1988 |
| Zoöplankton F | Daphnia magna | <24 | EC50 | static | 48 | 23 | 1300 | nr. 12258: Elnabarawy, 1986 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S16 = keep away from sources of ignition - no smoking

CHEMISCHE GEGEVENS:

Naam chemische stof: Isobutylacetaat

Chemische formule: C6 H12 O2

Moleculair gewicht: 116,8

Densiteit (g/l): 871

Dampdruk (Pa): 13 333

Oplosbaarheid (g/l): 5

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 110-19-0

UN-nummer: 1213

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 411 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 80 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Chilomonas paramecium | ND | PGR | ? | 48 | 20 | 600 | nr. 5719: Bringmann, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 1200 | nr. 2408: Price, 1974 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 250 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 342 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S16 = keep away from sources of ignition - no smoking

S23 = do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Isodecanol

Chemische formule: C10 H22 O

Moleculair gewicht: 158,32

Densiteit (g/l): 841

Dampdruk (Pa): 400

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 25 339-17-7

UN-nummer: 1987

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 3

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: X

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 3.4 | nr. 2408: Price, 1974 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Isoforone

Chemische formule: C₉H₁₄O

Moleculair gewicht: 138,21

Densiteit (g/l): 921

Dampdruk (Pa): 40

Oplosbaarheid (g/l): 9

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 78-59-1

UN-nummer: 1993

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: FD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 430 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 3 weken | LC50 | flow through | 96 | 24.5 | 145 | nr. 15152: Cairns, 1982 |
| Vissen F | Pimephales promelas | 30d, 15.5mm, 0.052g | LC50 | flow through | 96 | 24.5 | 228 | nr. 6489: Geiger, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 430 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 120 | nr. 5184: LeBlanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Isopreen**Chemische formule:** C5 H8**Moleculair gewicht:** 68,13**Densiteit (g/l):** 681**Dampdruk (Pa):** 53 320**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 78-79-5**UN-nummer:** 1218**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 1**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** E**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 24 | 25 | 75 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 42.54 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 42.54 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 180 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 180 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 180 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 240 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 240 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 240 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 86.51 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 86.51 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 74.83 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 42.54 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 74.83 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 96 | 25 | 75 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 48 | 25 | 75 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 96 | 25 | 75 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 24 | 25 | 77 | nr. 728: Pickering, 1966 |

| | | | | | | | | |
|----------|---------------------|-----------------|------|--------|----|----|-------|-----------------------------|
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 48 | 25 | 77 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 96 | 25 | 77 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 24 | 25 | 85 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 48 | 25 | 85 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 96 | 25 | 85 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 24 | 25 | 83 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 48 | 25 | 80 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 96 | 25 | 80 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 24 | 25 | 75 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 48 | 25 | 75 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 74.83 | nr. 728: Pickering, 1966 |

RISK AND SAFETY PHRASES:

Risk phrases

R12 = extremely flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Isopropanol**Chemische formule:** C₃H₈O**Moleculair gewicht:** 60,11**Densiteit (g/l):** 785**Dampdruk (Pa):** 27 593**Oplosbaarheid (g/l):** 785**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 67-63-0**UN-nummer:** 1219**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | > 100 | nr. 2408: Price, 1974 |
| Invertebraten M | Crangon crangon | ND | LC50 | renewal | 48 | ND | 1400 | nr. 925: Blackman, 1974 |
| Invertebraten M | Crangon crangon | ND | LC50 | renewal | 96 | ND | 1150 | nr. 925: Blackman, 1974 |
| Vissen F | Lepomis macrochirus | 40-50mm | LC50 | static | 24 | 22 | > 140 | nr. 6071: Wolverton, 1970 |
| Vissen F | Gambusia affinis | 20-30mm | LC50 | static | 24 | 22 | > 140 | nr. 6071: Wolverton, 1970 |
| Vissen F | Gambusia affinis | 20-30mm | LC50 | static | 48 | 22 | > 140 | nr. 6071: Wolverton, 1970 |
| Vissen F | Gambusia affinis | 20-30mm | LC50 | static | 96 | 22 | > 140 | nr. 6071: Wolverton, 1970 |
| Vissen F | Pimephales promelas | 31d, 20.6mm, 0.117g | LC50 | flow through | 96 | 24.4 | 9640 | nr. 12448: Brooke, 1984 |
| Vissen F | Lepomis macrochirus | 40-50mm | LC50 | static | 96 | 22 | > 140 | nr. 6071: Wolverton, 1970 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | > 500 | nr. 623: Bridie, 1979 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 24 | 20 | 11160 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 48 | 20 | 11130 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-3.1cm | LC50 | static | 96 | 20 | 11130 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 9640 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | 29d, 20mm, 0.103g | LC50 | flow through | 96 | 24.6 | 10400 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 31d, 17.4mm, 0.082g | LC50 | flow through | 96 | 24.6 | 6550 | nr. 12448: Brooke, 1984 |
| Vissen F | Gambusia affinis | 20-30mm | LC50 | static | 72 | 22 | > 140 | nr. 6071: Wolverton, 1970 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | > 100 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S7 = keep container tightly closed

S16 = keep away from sources of ignition - no smoking

CHEMISCHE GEGEVENS:

Naam chemische stof: Isopropylacetaat

Chemische formule: C5 H10 O2

Moleculair gewicht: 102,15

Densiteit (g/l): 874

Dampdruk (Pa): 6 483

Oplosbaarheid (g/l): 17

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 108-21-4

UN-nummer: 1220

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: ?

Gesamp E: X

Gedrag: ED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 460 | nr. 5719: Bringmann, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 48 | 24 | 110 | nr. 2408: Price, 1974 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 1260 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Isopropylamine

Chemische formule: C₃ H₉ N

Moleculair gewicht: 59,13

Densiteit (g/l): 691

Dampdruk (Pa): 61 300

Oplosbaarheid (g/l): 691

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 75-31-0

UN-nummer: 1221

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC50 | static | 48 | 25 | 1000 | nr. 10132: Tonogai, 1982 |
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC50 | static | 24 | 25 | 1000 | nr. 10132: Tonogai, 1982 |

RISK AND SAFETY PHRASES:

| <u>Risk phrases</u> | <u>Safety phrases</u> |
|---------------------------|---|
| R12 = extremely flammable | S36 = wear suitable protective clothing |
| | S37 = wear suitable gloves |
| | S38 = in case of insufficient ventilation wear suitable respiratory equipment |

CHEMISCHE GEGEVENS:

Naam chemische stof: Isopropylbenzeen

Chemische formule: C₉H₁₂

Moleculair gewicht: 120,21

Densiteit (g/l): 866

Dampdruk (Pa): 5 333

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 98-82-8

UN-nummer: 1918

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 2

Gesamp D: I

Gesamp E: X

Persistentie: ?

Carcinogeen: N

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Selenastrum capricornutum | ? | EC50gr. | static | 72 | 25 | 2.6 | nr. 13142: Galassi, 1988 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 110 | nr. 2408: Price 1974 |
| Vissen F | Oncorhynchus mykiss | ? | LC50 | renewal | 96 | 12 | 2.7 | nr. 13142 : Galassi, 1988 |
| Vissen F | Pimephales promelas | 29d., 17mm; 0.069g | LC50 | flow through | 96 | 25.4 | 6.32 | nr. 12858: Geiger, 1986 |
| Zoöplankton F | Daphnia magna | ? | EC50 | static | 24 | 20 | 91 | nr. 707: Bringmann 1982 |
| Zoöplankton F | Daphnia magna | ? | EC50im. | static | 24 | 20 | 1.4 | nr. 13142: Galassi, 1988 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Kaliumcyanide**Chemische formule:** K C N**Moleculair gewicht:** 65,12**Densiteit (g/l):** 1 500**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 643**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 151-50-8**UN-nummer:** 1680**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 1.8 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Chilomonas paramecium | ND | PGR | static | 48 | 20 | 0.48 | nr. 5719: Bringmann, 1980 |
| Fytoplankton F | Scenedesmus quadricauda | ND | PGR | static | 7d | 27 | 0.03 | nr. 5303: Bringmann, 1980 |
| Invertebraten M | Mysidopsis bahia | 24h post larvae | LC50 | flow through | 96 | 23 | 0.113 | nr. 11331: Lussier, 1985 |
| Mollusken | Nitocris sp | ND | LC50 | static | 48 | 5 | 13.6 | nr. 518: Cairns, 1978 |
| Mollusken | Nitocris sp | ND | LC50 | static | 48 | 10 | 12.8 | nr. 518: Cairns, 1978 |
| Mollusken | Nitocris sp | ND | LC50 | static | 48 | 15 | 10 | nr. 518: Cairns, 1978 |
| Mollusken | Nitocris sp | ND | LC50 | static | 48 | 20 | 8 | nr. 518: Cairns, 1978 |
| Vissen F | Lepomis macrochirus | 0.64g, 3.43mm | LC50 | static | 24 | 15 | 0.16 | nr. 518: Cairns, 1978 |
| Vissen F | Lepomis macrochirus | 0.64g, 3.43mm | LC50 | static | 24 | 5 | 0.24 | nr. 518: Cairns, 1978 |
| Vissen F | Poecilia reticulata | 0.1 g, volwassen | LC50 | flow through | 96 | 25 | 0.059 | nr. 2137: Anderson, 1975 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 96 | 22 | 0.64 | nr. 508: Wallen, 1957 |
| Vissen F | Salmo salar | 2yr molt, 157 mm | LC50 | flow through | 24 | 12 | 0.023 | nr. 10252: Alabaster, 1983 |
| Vissen F | Lepomis macrochirus | 5.2-7.1cm, 2.6-3.9g | LC50 | static | 48 | 18 | 0.47 | nr. 2148: Cairns, 1963 |
| Vissen F | Lepomis macrochirus | 5g, 7 cm | LC50 | static | 24 | 20 | 0.28 | nr 922: Turnbull, 1954 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 48 | 22 | 0.64 | nr. 508: Wallen, 1957 |
| Vissen F | Lepomis macrochirus | 5.3-7.2 cm, 3.5-3.9g | LC50 | static | 96 | 18 | 0.18 | nr. 2406: Cairns, 1968 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 24 | 22 | 0.64 | nr. 508: Wallen, 1957 |

| | | | | | | | | |
|---------------|---------------------|---------------------|------|-----------------|----|----|-------|-------------------------------|
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 12 | 82.9 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 12 | 73.5 | nr. 6015: Speyer, 1988 |
| Vissen F | Lepomis macrochirus | 5g, 7 cm | LC50 | static | 48 | 20 | 0.28 | nr 922: Turnbull, 1954 |
| Vissen F | Salmo salar | 2yr molt, 157 mm | LC50 | flow through | 24 | 12 | 0.07 | nr. 10252: Alabaster, 1983 |
| Vissen F | Lepomis macrochirus | 5.2-7.1cm, 2.6-3.9g | LC50 | static | 48 | 18 | 0.44 | nr. 2148: Cairns, 1963 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 12 | 74.6 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 12 | 52 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 5 | 55.7 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 5 | 50.4 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 5 | 34.9 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 5 | 44 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 5 | 46.4 | nr. 6015: Speyer, 1988 |
| Vissen F | Oncorhynchus mykiss | fingerling, 14g | LC50 | flow through | 96 | 12 | 0.058 | nr. 2344: McGeacky, 1988 |
| Vissen F | Oncorhynchus mykiss | fingerling, 11.6g | LC50 | flow through | 96 | 12 | 0.055 | nr. 2344: McGeacky, 1988 |
| Vissen F | Oncorhynchus mykiss | fingerling, 10.13g | LC50 | flow through | 96 | 12 | 0.043 | nr. 2344: McGeacky, 1988 |
| Vissen F | Lepomis macrochirus | 5.2-7.1cm, 2.6-3.9g | LC50 | static | 72 | 18 | 0.41 | nr. 2148: Cairns, 1963 |
| Vissen F | Lepomis macrochirus | 5.2-7.1cm, 2.6-3.9g | LC50 | static | 72 | 18 | 0.42 | nr. 2148: Cairns, 1963 |
| Vissen F | Oncorhynchus mykiss | 0.4-1.3g | LC50 | static | 96 | 12 | 52.5 | nr. 6015: Speyer, 1988 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 96 | 23 | 0.18 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 23 | 1.3 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 23 | 1.3 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 72 | 23 | 0.46 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | 24 h | LC50 | static | 24 | 21 | 0.212 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia pulex | ND | LC50 | static | 24 | 5 | 0.42 | nr. 518: Cairns, 1978 |
| Zoöplankton F | Daphnia pulex | ND | LC50 | static | 24 | 10 | 0.33 | nr. 518: Cairns, 1978 |
| Zoöplankton F | Daphnia pulex | ND | LC50 | static | 48 | 5 | 0.33 | nr. 518: Cairns, 1978 |
| Zoöplankton F | Daphnia pulex | ND | LC50 | static | 48 | 15 | 0.18 | nr. 518: Cairns, 1978 |
| Zoöplankton F | Daphnia pulex | ND | LC50 | static | 48 | 25 | 0.1 | nr. 518: Cairns, 1978 |
| Zoöplankton F | Daphnia pulex | ND | LC50 | static | 48 | 20 | 0.11 | nr. 518: Cairns, 1978 |

RISK AND SAFETY PHRASES:

Risk phrases

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

R32 = contact with acids liberates very
toxic gas**Safety phrases**

S1 = keep locked up

S7 = keep container tightly closed

S28 = after contact with skin, wash immediately with plenty of ... (to be
specified by the manufacturer)

S29 = do not empty into drains

S45 = in case of an accident or if you feel unwell seek medical advice
immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Kaliumhydroxide

Chemische formule: K O H

Moleculair gewicht: 56,11

Densiteit (g/l): 2 040

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 2 040

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 1310-58-3

UN-nummer: 1813

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: X

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 18-19 | 80 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 18-19 | 80 | nr. 508: Wallen, 1957 |

RISK AND SAFETY PHRASES:Risk phrases

R35 = causes severe burns

Safety phrases

S2 = keep out of reach of children

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37 = wear suitable gloves

S39 = wear eye/face protection

CHEMISCHE GEGEVENS:

Naam chemische stof: Koolstofdissulfide

Chemische formule: C S₂

Moleculair gewicht: 76,14

Densiteit (g/l): 1 260

Dampdruk (Pa): 40 520

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 75-15-0

UN-nummer: 1131

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|-----------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------------|
| Fytoplankton F | Chlorella pyrenoidosa | 10 8 cells/100ml | EC50gr | static | 96 | 20 | 21 | nr. 11455: Van Leeuwen, 1985 |
| Vissen F | Poecilia reticulata | ND | LC50 | renewal | 96 | ND | 4 | nr. 11455: Van Leeuwen, 1985 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 18-22 | 135 | nr. 508: Wallen, 1957 |
| Zoöplankton F | Daphnia magna | ND | LC50 | renewal | 48 | ND | 2.1 | nr. 11455: Van Leeuwen, 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

R12 = extremely flammable
R26 = very toxic by inhalation

Safety phrases

S27 = take off immediately all contaminated clothin
S29 = do not empty into drains
S33= take precautionary measures against static discharges
S43= in case of fire use...(indicate in the space the precise type of fire fighting equipment; if water increases the risk add - never use water-)
S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Koper(1+)chloride

Chemische formule: Cl Cu

Moleculair gewicht: 98,99

Densiteit (g/l): 3 386

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 1 100

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 7758-89-6

UN-nummer: 2802

GESAMP HAZARD PROFILE:

Gesamp A: +

Gesamp B: 3

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|

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RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

R22 = harmful if swallowed

S22 = do not inhale dust

CHEMISCHE GEGEVENS:

Naam chemische stof: Koper(2+)oxide

Chemische formule: Cu O

Moleculair gewicht: 79,54

Densiteit (g/l): 6 400

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 1317-38-0

UN-nummer: /

GESAMP HAZARD PROFILE:

Gesamp A: ?

Gesamp B: ?

Gesamp D: ?

Gesamp E: ?

Persistentie: ?

Carcinogeen: ?

Gedrag: ?

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Vissen M | Morone saxatilis | fertilized egg, 24 h | LC50 | static | 48 | ? | 0.85 | nr. 2113: O'Rear, 1972 |
| Vissen M | Morone saxatilis | fertilized egg, 24 h | LC50 | static | 48 | ? | 0.74 | nr. 2113: O'Rear, 1972 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 48 | 21.6 | 0.011 | nr. 10917: Lewis, 1983 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Koperacetoarseniet**Chemische formule:** C4 H8 As6 Cu4 O16**CAS registratie nummer:** 12002-03-8**Moleculair gewicht:** 1013,78**UN-nummer:** 1583**Densiteit (g/l):** 1 100**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 121**Pow:** 0**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------|
| Vissen M | Morone saxatilis | fingerling | LC50 | static | 96 | 21.1 | 10 | nr. 2012: Hughes, 1973 |
| Vissen M | Morone saxatilis | larvae | LC50 | static | 96 | 21.1 | 5 | nr. 2012: Hughes, 1973 |
| Vissen M | Morone saxatilis | larvae | LC50 | static | 72 | 21.1 | 15 | nr. 2012: Hughes, 1973 |
| Vissen M | Morone saxatilis | larvae | LC50 | static | 48 | 21.1 | 20 | nr. 2012: Hughes, 1973 |
| Vissen M | Morone saxatilis | larvae | LC50 | static | 24 | 21.1 | >35 | nr. 2012: Hughes, 1973 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Kwik(2+)acetaat**Chemische formule:** C4 H6 O4 Hg**Moleculair gewicht:** 318,69**Densiteit (g/l):** 3 270**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 654**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 1600-27-7**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|--------------------------|----------------------------|---------------|------------|----------|-----------|-------------|-------------------------|
| Invertebraten M | Palaemonetes pugio | ? | LC50 | static | 96 | 22 | 0.038 | nr. 879: Curtis, 1979 |
| Mollusken M | Mytilus galoprovinciales | ? | LC50 | static | 72 | ? | 0.630 | nr. 9001: Taneeva, 1973 |
| Vissen F | Pimephales promelas | 3.2-4.2cm | LC50 | static | 96 | 22 | 0.040 | nr. 879: Curtis, 1979 |
| Vissen F | Pimephales promelas | 3.2-4.2cm | LC50 | static | 96 | 22 | 0.119 | nr. 879: Curtis, 1979 |
| Vissen F | Pimephales promelas | 3.2-4.2cm | LC50 | static | 48 | 22 | 0.263 | nr. 5735: Curtis, 1978 |
| Vissen F | Pimephales promelas | 3.2-4.2cm | LC50 | static | 24 | 22 | 0.332 | nr. 5735: Curtis, 1978 |

RISK AND SAFETY PHRASES:**Risk phrases**

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

R33 = danger of cumulative effects

Safety phrases

S2 = keep out of reach of children

S13 = keep away from food, drink and animal feed

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S36 = wear suitable protective clothing

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Kwik(2+)chloride

Chemische formule: Hg Cl₂

Moleculair gewicht: 271,49

Densiteit (q/l): 5 400

Dampdruk (Pa): 0

Oplosbaarheid (q/l): 367

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 7487-94-7

UN-nummer: 1624

GESAMP HAZARD PROFILE:

Gesamp A: +

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mq/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|

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RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Kwik(2+)nitraat**Chemische formule:** N2 O6.Hg**CAS registratie nummer:** 10045-94-0**Moleculair gewicht:** 324,61**UN-nummer:** 1625**Densiteit (g/l):** 4 390**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 1 463**Pow:** 0**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-------------------------|
| Vissen F | Pimephales promelas | 30d, 0.15g | LC50 | flow through | 96 | 25 | 0.172 | nr. 12093: Spehar, 1986 |
| Zoöplankton F | Ceriodaphnia dubia | < 24h | LC50 | renewal | 48 | 25 | 0.008 | nr. 12093: Spehar, 1986 |

RISK AND SAFETY PHRASES:**Risk phrases**

R26 = very toxic by inhalation
R27 = very toxic in contact with skin
R28 = very toxic if swallowed
R33 = danger of cumulative effects

Safety phrases

S1 = keep locked up
S2 = keep out of reach of children
S13 = keep away from food, drink and animal feed
S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)
S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Lood

Chemische formule: Pb

CAS registratie nummer: 7439-92-1

Moleculair gewicht: 207,2

UN-nummer: /

Densiteit (g/l): ?

Dampdruk (Pa): ?

Oplosbaarheid (g/l): ?

Pow: ?

Aggregatietoestand: Vaste stof

GESAMP HAZARD PROFILE:

Gesamp A: ?

Gesamp B: ?

Persistentie: ?

Gesamp D: ?

Carcinogeen: ?

Gesamp E: ?

Gedrag: ?

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Vissen | Micropterus dolomieu | fingerling | LC50 | static | 96 | 16 | 29 | nr. 12153: Coughlan, 1986 |
| Vissen | Micropterus dolomieu | swim up fry, 17 d post spawn | LC50 | static | 96 | 16 | 2.2 | nr. 12153: Coughlan, 1986 |
| Vissen | Micropterus dolomieu | swim up fry, 17 d post spawn | LC50 | static | 96 | 16 | 2.8 | nr. 12153: Coughlan, 1986 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | ? | 4.4 | nr. 11181: Mount, 1984 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Lood(2+)acetaat**Chemische formule:** C4 H6 O Pb**CAS registratie nummer:** 301-04-2**Moleculair gewicht:** 325,29**UN-nummer:** 1616**Densiteit (g/l):** 2 600**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 819**Pow:** 0**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** Y**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Chlorella pyrenoidosa | ND | PGR | static | 72 | 21 | 0.1 | nr. 2240: Hannan, 1972 |
| Fytoplankton F | Chlorella pyrenoidosa | ND | PGR | static | 48 | 21 | 0.1 | nr. 2240: Hannan, 1972 |
| Fytoplankton M | Phaeodactylum tricornutum | ND | PGR | static | 72 | 15 | 1 | nr. 2240: Hannan, 1972 |
| Invertebraten M | Artemia salina | larvae | LC50 | static | 72 | ND | 116 | nr. 9001: Taneeva, 1973 |
| Vissen F | Pimephales promelas | 0.3-1g | LC50 | static | 96 | 22 | 28 | nr. 2965: Curtis, 1981 |
| Vissen F | Lepomis macrochirus | 4cm | LC50 | static | 96 | 23 | 250 | nr. 10457: Ellegaard, 1982 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 15 | 2.69 | nr. 12575: Khangarot, 1985 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 15 | 5 | nr. 12575: Khangarot, 1985 |
| Zoöplankton F | Daphnia magna | ND | EC50im. | static | 48 | 13 | 3.61 | nr. 6631: Khangarot, 1989 |
| Zoöplankton F | Daphnia magna | ND | EC50im. | static | 24 | 13 | 4.89 | nr. 12625: Khangarot, 1987 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 1.2 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

R20 = harmful by inhalation

S13 = keep away from food, drink and animal feed

R22 = harmful if swallowed

S20 = when using do not eat or drink

R23 = toxic by inhalation

S21 = when using do not smoke

CHEMISCHE GEGEVENS:**Naam chemische stof:** Lood(2+)chloride**Chemische formule:** Pb Cl₂**CAS registratie nummer:** 7758-95-4**Moleculair gewicht:** 278**UN-nummer:** 0**Densiteit (g/l):** ?**Dampdruk (Pa):** ?**Oplosbaarheid (g/l):** ?**Pow:** ?**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** ?**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Selenastrum capricornutum | 20000 cells/ml | PGR | static | 7d | 22 | 1 | nr. 2243: Monahan, 1976 |
| Invertebraten M | Cancer magister | zoeae | EC50im | static | 96 | 8.5 | 0.6 | nr. 2264: Dinnel, 1989 |
| Vissen F | Carassius auratus | 1-2g, 3.8-6.4cm | LC50 | static | 96 | 25 | 31.5 | nr. 2033: Pickering, 1964 |
| Vissen F | Carassius auratus | 1-2g, 3.8-6.4cm | LC50 | static | 48 | 25 | 31.5 | nr. 2033: Pickering, 1964 |
| Vissen F | Carassius auratus | 1-2g, 3.8-6.4cm | LC50 | static | 24 | 25 | 45.4 | nr. 2033: Pickering, 1964 |
| Vissen F | Lepomis macrochirus | 1-2g, 3.8-6.4cm | LC50 | static | 96 | 25 | 23.8 | nr. 2033: Pickering, 1964 |
| Vissen F | Lepomis macrochirus | 1-2g, 3.8-6.4cm | LC50 | static | 48 | 25 | 24.5 | nr. 2033: Pickering, 1964 |
| Vissen F | Lepomis macrochirus | 1-2g, 3.8-6.4cm | LC50 | static | 24 | 25 | 25.9 | nr. 2033: Pickering, 1964 |
| Vissen F | Poecilia reticulata | 6m, 0.1-0.2g, 1.9-2.5cm | LC50 | static | 96 | 25 | 20.6 | nr. 2033: Pickering, 1964 |
| Vissen F | Poecilia reticulata | 6m, 0.1-0.2g, 1.9-2.5cm | LC50 | static | 48 | 25 | 24.5 | nr. 2033: Pickering, 1964 |
| Vissen F | Poecilia reticulata | 6m, 0.1-0.2g, 1.9-2.5cm | LC50 | static | 24 | 25 | 24.5 | nr. 2033: Pickering, 1964 |
| Vissen F | Pimephales promelas | 1-2g, 3.8-6.4cm | LC50 | static | 96 | 25 | 5.58 | nr. 2033: Pickering, 1964 |
| Vissen F | Pimephales promelas | 1-2g, 3.8-6.4cm | LC50 | static | 48 | 25 | 5.99 | nr. 2033: Pickering, 1964 |
| Vissen F | Pimephales promelas | 1-2g, 3.8-6.4cm | LC50 | static | 24 | 25 | 11.5 | nr. 2033: Pickering, 1964 |
| Zoöplankton F | Daphnia magna | 12h | EC50im | static | 48 | 18 | 0.45 | nr. 2022: Biesinger, 1972 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Lood(2+)nitraat**Chemische formule:** N2 O6 Pb**CAS registratie nummer:** 10099-74-8**Moleculair gewicht:** 331,21**UN-nummer:** 1469**Densiteit (g/l):** 4 350**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 1 239**Pow:** 0**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|------------------------------|
| Invertebraten M | Mysidopsis bahia | 24h post larvae | LC50 | flow through | 96 | 23 | 3.13 | nr. 11331: Lussier, 1985 |
| Invertebraten M | Cancer magister | zoeae stage I | LC50 | static | 24 | 15 | 0.575 | nr. 15497: Martin, 1981 |
| Vissen F | Pimephales promelas | 30d, 0.15g | LC50 | flow through | 96 | 25 | 2.1 | nr. 12093: Spehar, 1986 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 24 | 20 | 6.3 | nr. 922: Turnbull, 1954 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 48 | 20 | 6.3 | nr. 922: Turnbull, 1954 |
| Vissen F | Oncorhynchus mykiss | 132mm, 24g | LC50 | static | 96 | 7 | 1.38 | nr. 8813: Davies, 1973 |
| Vissen F | Poecilia reticulata | 1.7cm, 70mg, male | LC50 | static | 24 | 17 | 1650 | nr. 15595: Sehgal, 1987 |
| Vissen F | Poecilia reticulata | 1.7cm, 70mg, male | LC50 | static | 48 | 17 | 1645 | nr. 15595: Sehgal, 1987 |
| Vissen F | Poecilia reticulata | 1.7cm, 70mg, male | LC50 | static | 72 | 17 | 1630 | nr. 15595: Sehgal, 1987 |
| Vissen F | Poecilia reticulata | 1.7cm, 70mg, male | LC50 | static | 96 | 17 | 1625 | nr. 15595: Sehgal, 1987 |
| Vissen F | Oncorhynchus mykiss | 85.9mm, 5.9g | LC50 | static | 96 | 14 | 1 | nr. 8813: Davies, 1973 |
| Vissen M | Oncorhynchus kisutch | alevin | LC50 | static | 96 | 12 | 7 | nr. 334: Buhl, 1990 |
| Vissen M | Oncorhynchus kisutch | juv, 10-12wk, 0.41g | LC50 | static | 96 | 12 | 4.18 | nr. 334: Buhl, 1990 |
| Vissen M | Oncorhynchus kisutch | juv, 10-12wk, 0.41g | LC50 | static | 24 | 12 | >17 | nr. 334: Buhl, 1990 |
| Vissen M | Oncorhynchus kisutch | juv, 18-22wk, 0.94g | LC50 | static | 24 | 12 | >18 | nr. 334: Buhl, 1990 |
| Vissen M | Oncorhynchus kisutch | juv, 18-22wk, 0.94g | LC50 | static | 96 | 12 | >18 | nr. 334: Buhl, 1990 |
| Vissen M | Oncorhynchus kisutch | alevin | LC50 | static | 24 | 12 | >10 | nr. 334: Buhl, 1990 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 48 | 20 | 1.815 | nr. 12258: Elnabaraway, 1986 |

| | | | | | | | | |
|---------------|---------------|------|------|--------|----|---|-------|-------------------------------|
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | ? | 2.3 | nr. 7884: Ziegenfuss, 1986 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | ? | 0.150 | nr. 11065: LeBlanc, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R20 = harmful by inhalation

R22 = harmful if swallowed

R23 = toxic by inhalation

Safety phrases

S13 = keep away from food, drink and animal feed

S20 = when using do not eat or drink

S21 = when using do not smoke

CHEMISCHE GEGEVENS:

Naam chemische stof: Lood(2+)sulfaat

Chemische formule: O4 S.Pb

CAS registratie nummer: 7446-14-2

Moleculair gewicht: 303,25

UN-nummer: 1794

Densiteit (g/l): 6 200

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vaste stof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: ?

Gesamp E: XX

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------|
| Vissen M | Paralichthys olivaceus | larvae | LC50 | static | 96 | ? | < 30 | nr. 3222: Cui, 1987 |
| Vissen M | Paralichthys olivaceus | larvae | LC50 | static | 48 | ? | < 30 | nr. 3222: Cui, 1987 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Meta-xyleen

Chemische formule: C8 H10

Moleculair gewicht: 106,18

Densiteit (g/l): 864

Dampdruk (Pa): 1 330

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 108-38-3

UN-nummer: 1307

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 72 | 25 | 4.9 | nr. 13142: Galassi, 1988 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 19.3 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Crangon franciscorum | adult, 1.8g | LC50 | static | 96 | 16 | 3.7 | nr 558: Benville, 1977 |
| Invertebraten M | Crangon franciscorum | adult, 1.8g | LC50 | static | 24 | 16 | 4.8 | nr 558: Benville, 1977 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 96 | 13 | 12 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 48 | 13 | 33 | nr. 5035: Caldwell, 1977 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | renewal | 96 | 12 | 8.4 | nr. 13142: Galassi, 1988 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 16 | nr. 623: Bridie, 1979 |
| Vissen F | Pimephales promelas | 34d, 19mm, 0.099g | LC50 | flow through | 96 | 24.5 | 16 | nr. 3217: Geiger, 1990 |
| Vissen M | Morone saxatilis | juv., 6g | LC50 | static | 96 | 16 | 9.2 | nr. 558: Benville, 1977 |
| Vissen M | Morone saxatilis | juv., 6g | LC50 | static | 24 | 16 | 9.2 | nr. 558: Benville, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 24 | 20 | 4.7 | nr. 13142: Galassi, 1988 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 9.54 | nr. 11936: Bobra, 1983 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:

Naam chemische stof: Methanol

Chemische formule: C H₄ O

Moleculair gewicht: 32,05

Densiteit (g/l): 792

Dampdruk (Pa): 12 865

Oplosbaarheid (g/l): 792

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 67-56-1

UN-nummer: 1230

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 0

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Chlamydomonas reinhardtii | ND | PGR | static | 11- | ND | 80 | nr. 2399: Adams, 1975 |
| Fytoplankton F | Selenastrum capricornutum | ND | PGR | static | 11- | ND | 7900 | nr. 2399: Adams, 1975 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | >100 | nr. 2408: Price, 1974 |
| Invertebraten M | Nitocra spinipes | 0.6-0.8mm | LC50 | ND | 96 | 21 | 12000 | nr. 5185: Linden, 1979 |
| Invertebraten M | Nitocra spinipes | 3-6 weken | LC50 | ND | 96 | 21 | 12000 | nr. 10870: Bengtsson, 1984 |
| Vissen F | Oncorhynchus mykiss | juv., 0.813g | LC50 | flow through | 96 | 12.7 | 20100 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | fingerling | LC50 | flow through | 72 | ND | 17720 | nr. 10579: Call, 1983 |
| Vissen F | Lepomis macrochirus | fingerling | LC50 | flow through | 48 | ND | 19230 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | juv., 0.2-0.5g | LC50 | static | 96 | 20 | >100 | nr. 11951: Ewell, 1986 |
| Vissen F | Carassius auratus | ND | PGR | ND | 48 | ND | 1700 | nr. 15192: Nishiuchi, 1967 |
| Vissen F | Oncorhynchus mykiss | juv., 0.813g | LC50 | flow through | 96 | 12.7 | 13000 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | fingerling | LC50 | flow through | 96 | ND | 15500 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | juv., 0.813g | LC50 | flow through | 24 | 12.7 | 13200 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | fingerling | LC50 | flow through | 24 | ND | 19230 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | juv., 0.813g | LC50 | flow through | 48 | 12.7 | 20100 | nr. 11988: Poirier, 1986 |
| Vissen F | Oncorhynchus mykiss | juv., 0.813g | LC50 | flow through | 24 | 12.7 | 20300 | nr. 11988: Poirier, 1986 |
| Vissen F | Oncorhynchus mykiss | fingerling | LC50 | flow through | 48 | ND | 20100 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | fingerling | LC50 | flow through | 24 | ND | 20300 | nr. 10579: Call, 1983 |

| | | | | | | | | |
|---------------|---------------------|---------------------------|---------|--------------|----|------|-------|----------------------------|
| Vissen F | Oncorhynchus mykiss | juv. , 0.813g | LC50 | flow through | 48 | 12.7 | 13200 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 28-32d, 0.126g | EC50 | flow through | 48 | 23 | 29700 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 30-32d | LC50 | flow through | 96 | ND | 28100 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 30-32d | LC50 | flow through | 48 | ND | 28400 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 30-32d | LC50 | flow through | 24 | ND | 28400 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 0.8g | LC50 | static | 96 | 12 | 19000 | nr. 666: Johnson, 1980 |
| Vissen F | Pimephales promelas | 28-32d, 0.126g | EC50 | flow through | 96 | 23 | 28900 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | juv., 3g | LC50 | flow through | 24 | 20 | 19100 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 28-32d, 0.126g | EC50 | flow through | 24 | 23 | 29700 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 28-32d, 0.126g | LC50 | flow through | 96 | 23 | 29400 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 28-32d, 0.126g | LC50 | flow through | 24 | 23 | 29700 | nr. 11988: Poirier, 1986 |
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 48 | ND | 28000 | nr. 15192: Nishiuchi, 1967 |
| Vissen F | Lepomis macrochirus | fingerling, 38-76mm | LC0 | static | 96 | 20 | >100 | nr. 2458: Buzzell, 1968 |
| Vissen F | Lepomis macrochirus | juv., 3g | EC50 | flow through | 96 | 20 | 12700 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | juv., 3g | EC50 | flow through | 48 | 20 | 16000 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | juv., 3g | EC50 | flow through | 24 | 20 | 16100 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | juv., 3g | LC50 | flow through | 96 | 20 | 15400 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 28-32d, 0.126g | LC50 | flow through | 48 | 23 | 29700 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | juv., 3g | LC50 | flow through | 48 | 20 | 19100 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 28200 | nr. 10183: Veith, 1983 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 20 | >100 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 21 | >100 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | >100 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 1st en 2nd stadium larvae | LC50 | static | 96 | 20 | >100 | nr. 11951: Ewell, 1986 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 24 | 20 | >100 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 22 | 24500 | nr. 2193: Randall, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

R11 = highly flammable
R23 = toxic by inhalation
R25 = toxic if swallowed

S2 = keep out of reach of children
S7 = keep container tightly closed
S16 = keep away from sources of ignition - no smoking
S24 = avoid contact with skin

CHEMISCHE GEGEVENS:

Naam chemische stof: Methylacrylaat

Chemische formule: C4 H6 O2

Moleculair gewicht: 86,1

Densiteit (g/l): 956

Dampdruk (Pa): 933

Oplosbaarheid (g/l): 46

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 96-33-3

UN-nummer: 1919

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 3

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: FED

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 10 | nr. 5719: Bringmann, 1980 |
| Invertebraten F | Cypria ophthalmica | ND | LC50 | ND | 96 | 20 | 1.2 | nr. 7037: D'Angelo, 1978 |
| Vissen F | Osteichthyes | ? | LC50 | ? | 72 | ? | 5 | nr. 495: Paulet, 1975 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R20 = harmful by inhalation
R22 = harmful if swallowed
R36 = irritating to eyes
R37 = irritating to respiratory system

Safety phrases

S9 = keep container in a well ventilated place
S16 = keep away from sources of ignition - no smoking
S29 = do not empty into drains
S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Methylamine**Chemische formule:** C H₅ N**Moleculair gewicht:** 31,07**Densiteit (g/l):** 1,4**Dampdruk (Pa):** 40 000**Oplosbaarheid (g/l):** 1,4**Pow:** 0**Aggregatietoestand:** Gas**CAS registratie nummer:** 74-89-5**UN-nummer:** 1061**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** GD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Vissen F | Salvelinus fontinalis | 0.3-1g | LC 50 | renewal | 24 | 16-18 | 90 | nr. 5496: Fletcher, 1973 |
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC 50 | static | 48 | 25 | 1000 | nr. 10132: Tonogai, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50im | static | 48 | 20 | 163 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 24h | EC50im | static | 24 | 20 | 180 | nr. 847: Kuhn, 1989 |

RISK AND SAFETY PHRASES:

| <u>Risk phrases</u> | <u>Safety phrases</u> |
|---|--|
| R13 = extremely flammable liquefied gas | S16 = keep away from sources of ignition - no smoking |
| R36 = irritating to the eyes | S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
| R37 = irritating to respiratory system | S29 = do not empty into drains |

CHEMISCHE GEGEVENS:

Naam chemische stof: Methylamylacetaat

Chemische formule: C8 H16 O2

CAS registratie nummer: 108-84-9

Moleculair gewicht: 144,24

UN-nummer: 1233

Densiteit (g/l): 860

Dampdruk (Pa): 507

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 230 | nr. 2408: Price, 1974 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Methylbromide**Chemische formule:** C H₃ Br**Moleculair gewicht:** 94,95**Densiteit (g/l):** 4,3**Dampdruk (Pa):** 187 000**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Gas**CAS registratie nummer:** 74-83-9**UN-nummer:** 1062**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** X**Gedrag:** G**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------|
| Fytoplankton | Scenedesmus quadricauda | log phase, 10000 cells/ml | EC50gr | static | 48 | 24 | 2.2 | nr. 5331: Canton, 1980 |
| Fytoplankton | Scenedesmus quadricauda | log phase, 10000 cells/ml | EC50gr | static | 24 | 24 | 3.2 | nr. 5331: Canton, 1980 |
| Fytoplankton F | Chlorella pyrenoidosa | log phase, 10000 cells/ml | EC50gr | static | 48 | 24 | 5 | nr. 5331: Canton, 1980 |
| Fytoplankton F | Chlorella pyrenoidosa | log phase, 10000 cells/ml | EC50gr | static | 24 | 24 | 2.1-6 | nr. 5331: Canton, 1980 |
| Vissen F | Oryzias latipes | 28-35d | LC 50 | renewal | 96 | 23 | 0.7 | nr. 5331: Canton, 1980 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal | 72 | 23 | 0.8 | nr. 5331: Canton, 1980 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal | 48 | 23 | 1.7 | nr. 5331: Canton, 1980 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal | 24 | 23 | 2.2 | nr. 5331: Canton, 1980 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 11 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 12 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 48 | 19 | 2.2 | nr. 5331: Canton, 1980 |
| Zoöplankton F | Daphnia magna | 24h | EC50im | static | 48 | 19 | 2 | nr. 5331: Canton, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases**

R26 = very toxic by inhalation

Safety phrases

S1 = keep locked up

S2 = keep out of reach of children

S7 = keep container tightly closed

S9 = keep container in a well ventilated place

S24 = avoid contact with skin

CHEMISCHE GEGEVENS:**Naam chemische stof:** Methylchloride**Chemische formule:** C H₃ Cl**Moleculair gewicht:** 50,49**Densiteit (g/l):** 900**Dampdruk (Pa):** 506 540**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Gas**CAS registratie nummer:** 74-87-3**UN-nummer:** 1063**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** X**Gedrag:** G**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | >800 | nr. 5303 : Bringmann, 1980 |
| Fytoplankton F | Scenedesmus quadricauda | ? | PGR | static | 7d. | 27 | 1450 | nr. 5303 : Bringmann, 1980 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 550 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 270 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R13 = extremely flammable liquefied gas

R20 = harmful by inhalation

R40 = possible risk of irreversible effects

R48 = danger of serious damage to health by prolonged exposure

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Methylisobutylcarbinol

Chemische formule: C6 H14 O

CAS registratie nummer: 108-11-2

Moleculair gewicht: 102,20

UN-nummer: 2053

Densiteit (g/l): 807

Dampdruk (Pa): 650

Oplosbaarheid (g/l): 14

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: FED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|-------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 360 | nr. 623: Bridie, 1979 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

R10 = flammable

S24 = avoid contact with skin

R37= irritating to respiratory system

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:

Naam chemische stof: Methylisobutylketon

Chemische formule: C6 H12 O

Moleculair gewicht: 100,18

Densiteit (g/l): 302

Dampdruk (Pa): 799

Oplosbaarheid (g/l): 6

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 108-10-1

UN-nummer: 1245

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: FED

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 447 | nr. 5303: Bringmann, 1980 |
| Fytoplankton | Scenedesmus subspicatus | log gro phase | EC50gr | static | 48 | 24 | 2000 | nr. 2997: Kuhn, 1990 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 1230 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 29d, 21mm, 0.141g | LC50 | flow through | 96 | 25 | 505 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 509 | nr. 10183: Veith, 1983 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 460 | nr. 623: Bridie, 1979 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 25 | 3682 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 4280 | nr. 5303: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 1550 | nr. 5303: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S23= do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Methylmethacrylaat

Chemische formule: C5 H8 O2

Moleculair gewicht: 100,13

Densiteit (g/l): 945

Dampdruk (Pa): 5 332

Oplosbaarheid (g/l): 14

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 80-62-6

UN-nummer: 1247

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: XX

Gedrag: ED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 232.2 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 96 | 25 | 350(h | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | flow through | 96 | 22 | 191 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | flow through | 48 | 22 | 264 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | flow through | 24 | 22 | 264 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | static | 96 | 22 | 283 | nr. 7398: Bailey, 1985 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | static | 72 | 22 | 283 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 412.2 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | static | 24 | 22 | 283 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 31d, 15.4mm, 0.054g | LC50 | flow through | 96 | 24 | 259 | nr. 3217: Geiger, 1990 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 357.5 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 368.1 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 277.1 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 423.3 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 423.3 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | ND | LC50 | static | 24 | 24 | 420 | nr. 5773: Jensen, 1978 |
| Vissen F | Poecilia reticulata | 6 maand, 0.1-0.2g, 1.9-2.5 cm | LC50 | static | 96 | 25 | 368.1 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 0.1-0.2g, 1.9-2.5 cm | LC50 | static | 48 | 25 | 368.1 | nr. 728: Pickering, 1966 |

| | | | | | | | | |
|---------------|---------------------|-------------------------------|------|--------------|----|----|-------|---------------------------|
| Vissen F | Poecilia reticulata | 6 maand, 0.1-0.2g, 1.9-2.5 cm | LC50 | static | 24 | 25 | 368.1 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | static | 48 | 22 | 283 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 2d. | LC50 | static | 96 | 25 | 410(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 48 | 25 | 380(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 24 | 25 | 510(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 96 | 25 | 150(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 48 | 25 | 380(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 24 | 25 | 450(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 4d. | LC50 | static | 96 | 25 | 460(h | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 3.65, 10.9g | LC50 | flow through | 72 | 22 | 264 | nr. 7398: Bailey, 1985 |
| Vissen F | Pimephales promelas | 4d. | LC50 | static | 24 | 25 | 520(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 338.2 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 2d. | LC50 | static | 48 | 25 | 420(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 2d. | LC50 | static | 24 | 25 | 420(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 96 | 25 | 410(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 48 | 25 | 410(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d. | LC50 | static | 24 | 25 | 410(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 320(h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 368.2 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 498.6 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 159.1 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 4d. | LC50 | static | 48 | 25 | 490(h | nr. 728: Pickering, 1966 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 21 | 1760 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 720 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Methylertertbutylether

Chemische formule: C₅ H₁₂ O

CAS registratie nummer: 1634-04-4

Moleculair gewicht: 88,17

UN-nummer: 2398

Densiteit (g/l): 741

Dampdruk (Pa): 32 700

Oplosbaarheid (g/l): 741

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------|
| Vissen F | Pimephales promelas | 33d. | LC 50 | flow through | 96 | 24.7 | 672 | nr. 12859: Geiger, 1988 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Mierezuur**Chemische formule:** C H₂ O₂**Moleculair gewicht:** 46,03**Densiteit (g/l):** 1 220**Dampdruk (Pa):** 4 399**Oplosbaarheid (g/l):** 1 220**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 64-18-6**UN-nummer:** 1779**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 410 | nr.2408: Price, 1974 |
| Vissen F | Lepomis macrochirus | ? | LC50 | static | 24 | 21-25 | 175 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | juv. | EC50im. | static | 48 | 22 | 151.2 | nr. 2193: Randall 1980 |

RISK AND SAFETY PHRASES:

| Risk phrases | Safety phrases |
|---------------------------|--|
| R35 = causes severe burns | S2 = keep out of reach of children |
| | S23 = do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer) |
| | S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice |

CHEMISCHE GEGEVENS:

Naam chemische stof: Morfoline

Chemische formule: C₄ H₉ N O

Moleculair gewicht: 87,14

Densiteit (g/l): 1 000

Dampdruk (Pa): 10 666

Oplosbaarheid (g/l): 1 000

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 110-91-8

UN-nummer: 2054

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: 1

Carcinogeen: N

Gesamp E: 0

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 12 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Chilomonas paramecium | ND | PGR | ? | 48 | 20 | 18 | nr. 5719: Bringmann, 1980 |
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 96 | ? | 28 | nr. 5089: Calamari, 1980 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 350 | nr. 863: Dawson, 1977 |
| Vissen M | Valamugil engeli | 14.9.g, 110.9mm | LC50 | static | 96 | 25.5-2 | 100-1 | nr. 6028: Mc Cain, 1976 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 400 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 100 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 101 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R20 = harmful by inhalation

R21 = harmful in contact with skin

R22 = harmful if swallowed

R34 = causes burns

Safety phrases

S23= do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S36 = wear suitable protective clothing

CHEMISCHE GEGEVENS:**Naam chemische stof:** N,N-dimethylformamide**Chemische formule:** C3 H7 N O**Moleculair gewicht:** 73,11**Densiteit (g/l):** 950**Dampdruk (Pa):** 500**Oplosbaarheid (g/l):** 950**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 68-12-2**UN-nummer:** 2265**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Vissen F | Lepomis macrochirus | juv., 0.912g | LC50 | flow through | 24 | 20 | 7500 | nr. 11988: Poirier, 1986 |
| Vissen F | Salvelinus fontinalis | ND | LC50 | flow through | 96 | ND | 8366 | nr. 2470: Cardwell, 1978 |
| Vissen F | Oncorhynchus mykiss | 0.8g | LC50 | static | 96 | 12 | 12000 | nr. 666: Johnson, 1980 |
| Vissen F | Oncorhynchus mykiss | 6.9cm, 5.2g, fingerling | LC50 | flow through | 24 | 13 | 11000 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 6.9cm, 5.2g, fingerling | LC50 | flow through | 48 | 13 | 10000 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 6.9cm, 5.2g, fingerling | LC50 | flow through | 72 | 13 | 10000 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 6.9cm, 5.2g, fingerling | LC50 | flow through | 96 | 13 | 10000 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 2.1g | LC0 | flow through | 96 | 17.3 | 3680 | nr. 10775: Phipps, 1985 |
| Vissen F | Oncorhynchus mykiss | juv., 5.08g | LC50 | flow through | 24 | 13 | 10600 | nr. 11988: Poirier, 1986 |
| Vissen F | Oncorhynchus mykiss | juv., 5.08g | LC50 | flow through | 96 | 13 | 9800 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 96 | ND | 10410 | nr. 2470: Cardwell, 1978 |
| Vissen F | Lepomis macrochirus | juv., 0.912g | LC50 | flow through | 48 | 20 | 7500 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | juv., 0.912g | LC50 | flow through | 96 | 20 | 7100 | nr. 11988: Poirier, 1986 |
| Vissen F | Lepomis macrochirus | 2.9cm, 0.4g | LC50 | flow through | 24 | ND | 7500 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 0.3g | EC50 | flow through | 96 | 17.3 | >368 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 28-32d, 0.047g | LC50 | flow through | 96 | 23 | 10600 | nr. 11988: Poirier, 1986 |
| Vissen F | Oncorhynchus mykiss | juv., 5.08g | LC50 | flow through | 48 | 13 | 9800 | nr. 11988: Poirier, 1986 |
| Vissen F | Pimephales promelas | 28-32d, 0.047g | LC50 | flow through | 24 | 23 | 11400 | nr. 11988: Poirier, 1986 |

| | | | | | | | | |
|---------------|---------------------|----------------|------|--------------|----|------|-------|----------------------------|
| Vissen F | Lepomis macrochirus | 2.9cm, 0,4g | LC50 | flow through | 24 | ND | 7500 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 0.3g | LC0 | flow through | 96 | 17.3 | 3680 | nr. 10775: Phipps, 1985 |
| Vissen F | Pimephales promelas | 30-32d | LC50 | flow through | 96 | ND | 10000 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 30-32d | LC50 | flow through | 72 | ND | 10000 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 30-32d | LC50 | flow through | 48 | ND | 10000 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 30-32d | LC50 | flow through | 24 | ND | 11500 | nr. 10579: Call, 1983 |
| Vissen F | Lepomis macrochirus | ND | LC50 | flow through | 96 | ND | 6300 | nr. 2470: Cardwell, 1978 |
| Vissen F | Lepomis macrochirus | 2.9cm, 0,4g | LC50 | flow through | 24 | ND | 7100 | nr. 10579: Call, 1983 |
| Vissen F | Lepomis macrochirus | 2.9cm, 0,4g | LC50 | flow through | 24 | ND | 7400 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 28-32d, 0.047g | LC50 | flow through | 48 | 23 | 10700 | nr. 11988: Poirier, 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | ND | 14400 | nr. 7884: Ziegenfuss, 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 20.5 | 14500 | nr. 11988: Poirier, 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 20.5 | 26300 | nr. 11988: Poirier, 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | ND | 14530 | nr. 10579: Call, 1983 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 21 | 12000 | nr. 10694: Le Blanc, 1983 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 21 | 16000 | nr. 10694: Le Blanc, 1983 |

RISK AND SAFETY PHRASES:

Risk phrases

R20 = harmful by inhalation

R21 = harmful in contact with skin

R36 = irritating to eyes

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S36 = wear suitable protective clothing

CHEMISCHE GEGEVENS:

Naam chemische stof: n-Amylalcohol

Chemische formule: C5 H12 O

Moleculair gewicht: 88,17

Densiteit (g/l): 818

Dampdruk (Pa): 650

Oplosbaarheid (g/l): 22

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 71-41-0

UN-nummer: 1105

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: X

Gedrag: FED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 17 | nr. 5303: Bringmann, 1980 |
| Invertebraten M | Nitocra spinipes | 0.6-0.8 mm, adult | LC50 | static | 96 | 21 | 440 | nr. 5185: Linden, 1979 |
| Vissen F | Oncorhynchus mykiss | 3.1g, 7.2cm | LC50 | static | 96 | 10 | 400 | nr. 8851: Leduc, 1973 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 650 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 180 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 580 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 423 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:**Naam chemische stof:** n-Butanol**Chemische formule:** C₄ H₁₀ O**CAS registratie nummer:** 71-36-3**Moleculair gewicht:** 74,14**UN-nummer:** 1120**Densiteit (g/l):** 810**Dampdruk (Pa):** 626**Oplosbaarheid (g/l):** 58**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Chilomonas paramecium | ? | PGR | static | 48 | 20 | 28 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 55 | nr. 5303: Bringmann, 1980 |
| Invertebraten M | Nitocra spinipes | 0.6-0.8mm, adult | LC50 | static | 96 | 10 | 2100 | nr. 5185: Linden, 1979 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 2950 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 33d, 20.6mm, 0.119g | LC50 | flow through | 96 | 24.7 | 1730 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 1740 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 96 | 20 | 1910 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 72 | 20 | 1950 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 48 | 20 | 1950 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1-1.3cm | LC50 | static | 24 | 20 | 1950 | nr. 719: Mattson, 1976 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 1900 | nr. 623: Bridie, 1979 |
| Vissen M | Alburnus alburnus | 8cm | LC50 | static | 96 | 10 | 2245 | nr. 5185: Linden, 1979 |
| Zoöplankton F | Daphnia magna | juv | EC50im | static | 48 | 20 | 1983 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | juv | EC50im | static | 24 | 20 | 2237 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20 | 1855 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S16 = keep away from sources of ignition - no smoking

CHEMISCHE GEGEVENS:**Naam chemische stof:** n-Butylacetaat**Chemische formule:** C6 H12 O2**Moleculair gewicht:** 116,18**Densiteit (g/l):** 875**Dampdruk (Pa):** 1 160**Oplosbaarheid (g/l):** 7**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 123-86-4**UN-nummer:** 1123**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** FED**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 321 | nr. 5303: Bringmann, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 48 | 24 | 32 | nr. 863: Dawson, 1977 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 150 | nr. 863: Dawson, 1977 |
| Vissen F | Pimephales promelas | 31-32d, 21.6mm, 0.175g | LC50 | flow through | 96 | 25 | 18 | nr. 12448: Brooke, 1984 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 100 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 185 | nr. 2408: Price, 1974 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 205 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 205 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

R10 = flammable

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CHEMISCHE GEGEVENS:

Naam chemische stof: n-Butylacrylaat

Chemische formule: C7 H12 O2

Moleculair gewicht: 128,19

Densiteit (g/l): 899

Dampdruk (Pa): 9 100

Oplosbaarheid (g/l): 1

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 141-32-2

UN-nummer: 2348

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 3

Gesamp D: I

Gesamp E: X

Persistentie: ?

Carcinogeen: N

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton F | Chilomonas paramecium | ? | PGR | ? | 48 | 20 | 3.5 | nr. 5719: Bringmann, 1980 |
| Vissen F | Osteichthyes | ? | LC50 | ? | 72 | ? | 5 | nr. 495: Paulet, 1975 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R36 = irritating to the eyes

R37 = irritating to respiratory system

R38 = irritating to skin

R43 = may cause sensitization by skin contact

Safety phrases

S9 = keep container in a well ventilated place

CHEMISCHE GEGEVENS:**Naam chemische stof:** n-Butylamine**Chemische formule:** C₄ H₁₁ N**Moleculair gewicht:** 73,16**Densiteit (g/l):** 741**Dampdruk (Pa):** 9 100**Oplosbaarheid (g/l):** 741**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 109-73-9**UN-nummer:** 1125**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Fytoplankton | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 9 | nr. 5303: Bringmann, 1980 |
| Vissen F | Lepomis macrochirus | 33-75 mm | LC50 | static | 96 | 23 | 32 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100 mm | LC50 | static | 96 | 20 | 24 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 20-22 | 75 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 20-22 | 43 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S16 = keep away from sources of ignition - no smoking

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S29 = do not empty into drains

CHEMISCHE GEGEVENS:

Naam chemische stof: n-Butylmethacrylaat

Chemische formule: C8 H14 O2

CAS registratie nummer: 97-88-1

Moleculair gewicht: 142,22

UN-nummer: 2227

Densiteit (g/l): 897,5

Dampdruk (Pa): 300

Oplosbaarheid (g/l): 5

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: XX

Gedrag: FD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen | Osteichthyes | ND | LC50 | ND | 72 | ND | 125 | nr. 495: Paulet, 1975 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

R10 = flammable

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R36 = irritating to the eyes

R37 = irritating to respiratory system

R38 = irritating to skin

CHEMISCHE GEGEVENS:**Naam chemische stof:** n-Decylalcohol**Chemische formule:** C₁₀ H₂₂ O**CAS registratie nummer:** 112-30-1**Moleculair gewicht:** 158,32**UN-nummer:** /**Densiteit (g/l):** 840**Dampdruk (Pa):** 133**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** 0**Carcinoogen:** ?**Gesamp E:** X**Gedrag:** F**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Invertebraten M | Nitocra spinipes | adult, 3-6 weken | LC50 | static | 96 | 21 | 3.1 | nr. 10870: Bengtsson, 1984 |
| Invertebraten M | Nitocra spinipes | 6-8mm, adulten | LC50 | static | 96 | 21 | 4 | nr. 5185: Linden, 1979 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 2.3 | nr. 10183: Veith, 1983 |
| Vissen M | Alburnus alburnus | 8cm | LC50 | static | 96 | 10 | 7.2 | Bengston, 1982 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 20 | 16 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 20 | 11 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:

Naam chemische stof: n-Hepteen

Chemische formule: C7 H14

Moleculair gewicht: 98,19

Densiteit (g/l): 697

Dampdruk (Pa): 15 960

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 592-76-7

UN-nummer: 2278

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Gesamp D: 0

Gesamp E: 0

Persistentie: ?

Carcinogeen: N

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------------|
| Fytoplankton F | Chilomonas paramecium | ? | PGR | ? | 48 | 20 | 7.9 | nr. 5719: Bringmann, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: n-Hexaan

Chemische formule: C₆ H₁₄

Moleculair gewicht: 86,20

Densiteit (g/l): 569

Dampdruk (Pa): 15 996

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 110-54-3

UN-nummer: 1208

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 3

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: X

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|----------------|----------------------------|---------------|------------|----------|-----------|-------------|----------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 3.53 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Artemia salina | nauplii | EC50im | static | 24 | 19 | 1.51 | nr. 11323: Foster, 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R20 = harmful by inhalation
R48 = danger of serious damage to health by prolonged exposure

Safety phrases

S9 = keep container in a well ventilated place
S16 = keep away from sources of ignition - no smoking
S24 = avoid contact with skin
S29 = do not empty into drains
S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: n-Hexanol

Chemische formule: C6 H14 O

Moleculair gewicht: 102,20

Densiteit (g/l): 850

Dampdruk (Pa): 13

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 111-27-3

UN-nummer: 2282

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: F

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Invertebraten M | Nitocra spinipes | adult, 3-6 weken | LC50 | static | 96 | 21 | 317 | nr. 10870: Bengtsson, 1984 |
| Vissen M | Alburnus alburnus | 8 cm | LC50 | static | 96 | 10 | 120 | nr. 5185: Linden, 1979 |

RISK AND SAFETY PHRASES:**Risk phrases**

R22 = harmful if swallowed

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

S29 = do not empty into drains

S51 = use only in well-ventilated areas

CHEMISCHE GEGEVENS:**Naam chemische stof:** n-Pentaan**Chemische formule:** C₅H₁₂**Moleculair gewicht:** 72,17**Densiteit (g/l):** 626**Dampdruk (Pa):** 533 320**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 109-66-0**UN-nummer:** 1265**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** E**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 11.8 | nr. 11926: Abernethy, 1986 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 9.72 | nr. 11936: Bobra, 1983 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: n-Propylacetaat

Chemische formule: C5 H10 O2

Moleculair gewicht: 102,15

Densiteit (g/l): 886

Dampdruk (Pa): 5 332

Oplosbaarheid (g/l): 17

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 109-60-4

UN-nummer: 1276

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: ED

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Entosiphon sulcatum | ND | PGR | static | 72 | 25 | 97 | nr. 5303: Bringmann, 1980 |
| Fytoplankton F | Chilomonas paramecium | ND | PGR | static | 48 | 20 | 1123 | nr. 5719: Bringmann, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 820 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 30d, 20.4mm, 0.148g | LC50 | flow through | 96 | 24.6 | 60 | nr. 12448: Brooke, 1984 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 21 | 318 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 511 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S16 = keep away from sources of ignition - no smoking

S23= do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Nafta

Chemische formule: niet gekend

Moleculair gewicht: niet gekend

Densiteit (g/l): 860

Dampdruk (Pa): 399

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 8030-30-6

UN-nummer: 1256

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Invertebraten F | Gammarus bacustris | 2 mo | LC50 | static | 96 | 21 | 0.84 | nr. 885: Sanders, 1969 |
| Invertebraten F | Gammarus bacustris | 2 mo | LC50 | static | 48 | 21 | 3.6 | nr. 885: Sanders, 1969 |
| Invertebraten F | Gammarus bacustris | 2 mo | LC50 | static | 24 | 21 | 7 | nr. 885: Sanders, 1969 |
| Vissen F | Oncorhynchus mykiss | 2.64g | LC50 | static | 96 | 13 | 8.8 | nr. 2871: Cope, 1965 |
| Zoöplankton F | Daphnia pulex | 1st instar | EC50im | static | 48 | 15.6 | 3.7 | nr. 888: Sanders, 1966 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Naftaleen

Chemische formule: C₁₀H₈

Moleculair gewicht: 128,18

Densiteit (g/l): 1 140

Dampdruk (Pa): 130

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 91-20-3

UN-nummer: 2304

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 3

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|----------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Chlorella vulgaris | ND | EC50gr | static | 24 | 20 | 3 | nr. 8877: Kauss, 1973 |
| Fytoplankton F | Chlorella vulgaris | ND | EC50gr | static | 24 | 20 | 33 | nr. 2215: Kauss, 1975 |
| Invertebraten M | Pandalus goniurus (shrimp) | 0.8g, 6cm | LC50 | static | 24 | 12 | 1.29 | nr. 6260: Korn, 1977 |
| Invertebraten M | Artemia salina | stage II nauplii | EC50im | static | 24 | 19 | 2.11 | nr. 11322: Foster, 1984 |
| Invertebraten M | Neomysis americana | ND | LC50 | flow through | 96 | 25 | 0.85 | nr. 10449: Smith, 1983 |
| Invertebraten M | Pandalus goniurus (shrimp) | 0.8g, 6cm | LC50 | static | 96 | 12 | 0.971 | nr. 5030: Korn, 1979 |
| Invertebraten M | Eualus suckleyi | 1g | LC50 | flow through | 96 | 6.5 | 1.39 | nr. 3060: Rice, 1989 |
| Invertebraten M | Pandalus goniurus (shrimp) | 0.8g, 6cm | LC50 | static | 96 | 4 | 2.16 | nr. 5030: Korn, 1979 |
| Invertebraten M | Artemia salina | nauplii | EC50im | static | 24 | 19 | 3.19 | nr. 11322: Foster, 1984 |
| Invertebraten M | Pandalus goniurus (shrimp) | 0.8g, 6cm | LC50 | static | 24 | 8 | 2.06 | nr. 6260: Korn, 1977 |
| Invertebraten M | Pandalus goniurus (shrimp) | 0.8g, 6cm | LC50 | static | 24 | 4 | 2.21 | nr. 6260: Korn, 1977 |
| Invertebraten M | Callinectes sapidus (crab) | adult intermolt, 50-227g | LC50 | flow through | 24 | ND | 1.98 | nr. 12965: Sabourin, 1982 |
| Invertebraten M | Cancer magister | 1st instar, zoeal | LC50 | static | 96 | 13 | > 2 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Palaemonetes pugio | adult | LC50 | static | 96 | 21 | 2.35 | nr. 420: Tatem, 1978 |
| Invertebraten M | Penaeus aztecus | juv, 0.3g | LC50 | static | 96 | 21 | 2.5 | nr. 420: Tatem, 1978 |
| Invertebraten M | Pandalus goniurus (shrimp) | 0.8g, 6cm | LC50 | static | 96 | 8 | 1.02 | nr. 5030: Korn, 1979 |
| Invertebraten M | Neomysis americana | ND | LC50 | flow through | 96 | 15 | 1.28 | nr. 10449: Smith, 1983 |
| Mollusken M | Crassostrea gigas | eggs | LC50 | static | 96 | 21 | 110 | nr. 8621: Legore, 1974 |

| | | | | | | | | |
|---------------|------------------------|--------------------------------|------|--------------|----|------|-------|----------------------------|
| Vissen F | Pimephales promelas | 31-35d, 116mg | LC50 | flow through | 24 | 24.6 | 7.76 | nr. 10954: Holcombe, 1984 |
| Vissen F | Pimephales promelas | 34d | LC50 | flow through | 96 | 24.5 | 6.14 | nr. 12447: Geiger, 1985 |
| Vissen F | Pimephales promelas | 1-2mo, juv., 0.27g | LC50 | static | 96 | 20 | 1.99 | nr. 11725: Millemann, 1984 |
| Vissen F | Pimephales promelas | 31-35d, 116mg | LC50 | flow through | 96 | 24.6 | 6.08 | nr. 10954: Holcombe, 1984 |
| Vissen F | Pimephales promelas | 31-35d, 116mg | LC50 | flow through | 48 | 24.6 | 6.35 | nr. 10954: Holcombe, 1984 |
| Vissen F | Oncorhynchus mykiss | fry, 13-21d arlee strain | LC50 | static | 96 | 12 | 1.8 | nr. 138: Edsall, 1991 |
| Vissen F | Pimephales promelas | 0.9g, 46mm | LC50 | flow through | 96 | 15 | 7.9 | nr. 15131: Degraeve, 1982 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 96 | 23 | 150 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 48 | 23 | 165 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 24 | 23 | 220 | nr. 508: Wallen, 1957 |
| Vissen F | Oncorhynchus mykiss | juv., 3.9g, 93mm | LC50 | flow through | 96 | 15 | 7.9 | nr. 15131: Degraeve, 1982 |
| Vissen F | Oncorhynchus mykiss | fry, 13-21d whytteville strain | LC50 | static | 96 | 12 | 4.5 | nr. 138: Edsall, 1991 |
| Vissen F | Micropterus salmoides | embryo | LC50 | flow through | 72 | 22 | > 0.2 | nr. 10056: Black, 1983 |
| Vissen F | Oncorhynchus mykiss | fry, 13-21d redband strain | LC50 | static | 96 | 12 | 2.6 | nr. 138: Edsall, 1991 |
| Vissen F | Oncorhynchus mykiss | fry, 13-21d erwin strain | LC50 | static | 96 | 12 | 6.1 | nr. 138: Edsall, 1991 |
| Vissen F | Pimephales promelas | 31-35d, 116mg | LC50 | flow through | 72 | 24.6 | 6.08 | nr. 10954: Holcombe, 1984 |
| Vissen F | Oncorhynchus mykiss | fry, 13-21d shasta strain | LC50 | static | 96 | 12 | 4.4 | nr. 138: Edsall, 1991 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 96 | 12 | 1.24 | nr. 5030: Korn, 1979 |
| Vissen M | Oncorhynchus gorboscha | juv., 352mg, 32mm | LC50 | flow through | 96 | 8 | 1.2 | nr. 10567: Moles, 1983 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 96 | 8 | 1.84 | nr. 5030: Korn, 1979 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 96 | 4 | 1.37 | nr. 5030: Korn, 1979 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 24 | 12 | 1.38 | nr. 6260: Korn, 1977 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 24 | 8 | 1.84 | nr. 6260: Korn, 1977 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 24 | 4 | 1.56 | nr. 6260: Korn, 1977 |
| Vissen M | Oncorhynchus gorboscha | fry | LC50 | flow through | 48 | 11 | 1.01 | nr. 3060: Rice, 1989 |
| Zoöplankton F | Daphnia pulex | neonate | LC50 | static | 48 | 20 | 2.92- | nr. 15293: Geiger, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 48 | 24 | 3.4 | nr. 10359: Crider, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 17 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 8.6 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 24 | 6.6 | nr. 10359: Crider, 1982 |

| | | | | | | | | |
|---------------|--------------------|-------------|--------|--------|----|----|-------|-------------------------------|
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 20 | 2.16 | nr. 11725: Millemann, 1984 |
| Zoöplankton F | Daphnia magna | mixed ages | EC50 | static | 48 | 19 | 22.6 | nr. 10060: Eastmond, 1984 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 16.64 | nr. 11936: Bobra, 1983 |
| Zoöplankton F | Daphnia pulex | 1.9-2.1mm | LC50 | static | 96 | 15 | 1 | nr. 15337: Trucco, 1983 |
| Zoöplankton F | Daphnia pulex | neonate | EC50im | static | 48 | 20 | 4.663 | nr. 3283: Smith, 1988 |
| Zoöplankton F | Diaptomus forbesi | ND | LC50 | static | 96 | 28 | 67.8 | nr. 11282: Saha, 1983 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 4.81 | nr. 11926: Abernethy, 1986 |
| Zoöplankton M | Eurytemora affinis | ND | LC50 | static | 24 | 15 | 3.8 | nr. 5045: Ott, 1978 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R22 = harmful if swallowed

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Nafteenzuren**Chemische formule:** niet gekend**Moleculair gewicht:** niet gekend**Densiteit (g/l):** 982**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 982**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 1338-24-5**UN-nummer:** 3082**GESAMP HAZARD PROFILE:****Gesamp A:** T**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** X**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Fytoplankton F | Nitzschia linearis | ND | LC50 | static | 5d | ND | 43.1 | nr. 949: Patrick, 1968 |
| Mollusken F | Physella heterostropha | ND | LC50 | static | 96 | 20 | 6.6-7 | nr. 949: Patrick, 1968 |
| Vissen F | Lepomis macrochirus | ND | LC50 | static | 96 | 18 | 5.6 | nr. 949: Patrick, 1968 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:

Naam chemische stof: Natrium

Chemische formule: Na

Moleculair gewicht: 22,99

Densiteit (g/l): 941

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 107

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 7440-23-5

UN-nummer: 1428

GESAMP HAZARD PROFILE:

Gesamp A: ?

Gesamp B: ?

Persistentie: ?

Gesamp D: ?

Carcinogeen: N

Gesamp E: ?

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Zoöplankton F | Daphnia magna | juv. | EC50im. | static | 48 | 18 | 1640 | nr. 2022: Biesinger, 1972 |
| Zoöplankton F | Daphnia magna | juv. | EC50im. | static | 48 | 18 | 1820 | nr. 2022: Biesinger, 1972 |

RISK AND SAFETY PHRASES:

Risk phrases

R14 = reacts violently with water

R15 = contact with water liberates highly flammable gases

R34 = causes burns

Safety phrases

S5 = keep contents under...(appropriate liquid to be specified by the manufacturer)

S8 = keep container dry

S43 = in case of fire use...(indicate in the space the precise type of fire fighting equipment; if water increases the risk add - never use water-)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Natriumbichromaat**Chemische formule:** Cr₂O₇. 2Na**CAS registratie nummer:** 10588-01-9**Moleculair gewicht:** 261,98**UN-nummer:** 1497**Densiteit (g/l):** 2 300**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 1 678**Pow:** 0**Aggregatietoestand:** Vaste stof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Vissen F | Oncorhynchus mykiss | 14mnd. | LC50 | flow through | 96 | 12 | 69 | nr. 2235: Benoit, 1976 |
| Vissen F | Salvelinus fontinalis | 6mnd. | LC50 | flow through | 96 | 12 | 59 | nr. 2235: Benoit, 1976 |
| Vissen F | Pimephales promelas | 30d, 0.15g | LC50 | flow through | 96 | 25 | 43.3 | nr. 12093: Spehar, 1986 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 24 | 25.5 | 180 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 48 | 25.5 | 170 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 96 | 25.5 | 100 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | ad, female | LC50 | static | 6d. | 25.5 | 58 | nr. 508: Wallen, 1957 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 24 | 20 | 500 | nr. 922: Turnbull, 1954 |
| Vissen F | Lepomis macrochirus | 5g, 7cm | LC50 | static | 48 | 20 | 410 | nr. 922: Turnbull, 1954 |
| Vissen F | Pimephales promelas | juv., 8 wk., 19mm, 0.08g | LC50 | flow through | 96 | 25 | 33.2 | nr. 2125: Broderius, 1979 |
| Vissen F | Pimephales promelas | juv., 8 wk., 19mm, 0.08g | LC50 | flow through | 10d | 25 | 12.4 | nr. 2125: Broderius, 1979 |
| Vissen F | Pimephales promelas | juv., 8 wk., 19mm, 0.08g | LC50 | flow through | 20d | 25 | 5.99 | nr. 2125: Broderius, 1979 |
| Vissen F | Pimephales promelas | juv., 8 wk., 19mm, 0.08g | LC50 | flow through | 30d | 25 | 4.36 | nr. 2125: Broderius, 1979 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 23 | 8.7 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia pulex | <24h | LC50 | flow through | 48 | 25 | 0.036 | nr. 3686: Mount, 1982 |
| Zoöplankton F | Daphnia pulex | <24h, first instar | EC50im. | static | 48 | 23 | 0.122 | nr. 12258: Elnabarawy, 1986 |
| Zoöplankton F | Daphnia pulex | 6d. | LC50 | renewal | 96 | 21 | 0.01 | nr. 8975: Sherr, 1973 |

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|---------------|--------------------|------|---------|---------|----|----|-------|------------------------------------|
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 23 | 0.112 | nr. 12258: Elnabarawy , 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 25 | 0.024 | nr. 3686: Mount, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 0.487 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 23 | 4 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Ceriodaphnia dubia | <24h | LC50 | renewal | 48 | 25 | 0.144 | nr. 12093: Spehar, 1986 |

RISK AND SAFETY PHRASES:

Risk phrases

R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S22 = do not inhale dust

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

CHEMISCHE GEGEVENS:

Naam chemische stof: Natriumcacodylaat

Chemische formule: C2 H6 As O2 . Na

CAS registratie nummer: 124-65-2

Moleculair gewicht: 159,99

UN-nummer: 1688

Densiteit (g/l): 1 100

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 733

Pow: 0

Aggregatietoestand: Vaste stof

GESAMP HAZARD PROFILE:

Gesamp A: +

Gesamp B: 0

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|--------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Invertebraten | Palaemonetes hadiahensis | ND | LC 50 | static | 96 | 21 | 28 | nr. 666: Johnson, 1980 |
| Invertebraten | Gammarus fasciatus | ND | LC 50 | static | 96 | 15 | >100 | nr. 666: Johnson, 1980 |
| Vissen F | Lepomis macrochirus | 0.8g | LC 50 | static | 96 | 18 | 17 | nr. 666: Johnson, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Natriumchloraat**Chemische formule:** Na.Cl O₃**Moleculair gewicht:** 106,44**Densiteit (g/l):** 2 200**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 1 100**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 7775-09-9**UN-nummer:** 1495**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|--------------------------|
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 96 | ND | 2340 | nr. 12402: Agaev, 1986 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | 29 | 4.46 | nr. 6051: Shifrer, 1974 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | 23 | 4.49 | nr. 6051: Shifrer, 1974 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | 16 | 4.56 | nr. 6051: Shifrer, 1974 |
| Vissen F | Salmo trutta | Yearling | LC50 | static | 48 | 10 | 7.3 | nr. 448: Woodiwiss, 1974 |

RISK AND SAFETY PHRASES:**Risk phrases**

R9 = explosive when mixed with combustive material

R20 = harmful by inhalation

R22 = harmful if swallowed

Safety phrases

S2 = keep out of reach of children

S13 = keep away from food, drink and animal feed

S16 = keep away from sources of ignition - no smoking

S27 = take off immediately all contaminated clothing

CHEMISCHE GEGEVENS:**Naam chemische stof:** Natriumcyanide**Chemische formule:** Na CN**Moleculair gewicht:** 39**Densiteit (g/l):** 1 600**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 370**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 143-33-9**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Invertebraten | Asellus intermedius | juv, 0.012 g | LC50 | static | 96 | 20 | 1.7 | nr. 11951: Ewell, 1986 |
| Invertebraten F | Gammarus fasciatus | juv., 0.007 g | LC50 | static | 96 | 20 | 0.9 | nr. 11951: Ewell, 1986 |
| Mollusken F | Goniobasis livescens | ? | LC50 | renewal | 48 | 23.5 | 760 | nr. 6109: Cairns, 1976 |
| Mollusken F | Lymnaea emarginata angulata | ? | LC50 | renewal | 24 | 23.5 | 3.3 | nr. 6109: Cairns, 1976 |
| Mollusken F | Lymnaea emarginata angulata | ? | LC50 | renewal | 48 | 23.5 | 3.3 | nr. 6109: Cairns, 1976 |
| Vissen F | Salvelinus fontinalis | swim up fry, 1.4-1.6 cm | LC50 | flow through | 96 | 7 | 0.086 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., wild stock | LC50 | flow through | 96 | 25 | 0.160 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., wild stock | LC50 | flow through | 96 | 30 | 0.157 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | 5.1-6.4 cm, 1.5 g | LC50 | static | 96 | 25 | 0.35 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | 5.1-6.4 cm, 1.5 g | LC50 | static | 96 | 25 | 0.23 | nr. 923: Henderson, 1961 |
| Vissen F | Pimephales promelas | juv., 8 wk, 19 mm, 0.079 g | LC50 | static | 96 | 25 | 0.125 | nr. 2125: Broderius, 1979 |
| Vissen F | Pimephales promelas | juv., 0.2-0.5 g | LC50 | static | 96 | 20 | 0.17 | nr. 11951: Ewell, 1986 |
| Vissen F | Salvelinus fontinalis | sac fry, 0.9-1 cm | LC50 | flow through | 96 | 10 | 0.108 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | sac fry, 0.9-1 cm | LC50 | flow through | 96 | 10 | 0.35 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., wild stock | LC50 | flow through | 96 | 20 | 0.174 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | sac fry, 0.9-1 cm | LC50 | flow through | 96 | 13 | 0.257 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 25 | 0.120 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | swim up fry, 1.4-1.6 cm | LC50 | flow through | 96 | 10 | 0.056 | nr. 520: Smith, 1978 |

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|----------|-----------------------|-------------------------|------|--------------|----|----|-------|--------------------------|
| Vissen F | Salvelinus fontinalis | swim up fry, 1.4-1.6 cm | LC50 | flow through | 96 | 10 | 0.089 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | swim up fry, 1.4-1.6 cm | LC50 | flow through | 96 | 10 | 0.106 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | swim up fry, 1.4-1.6 cm | LC50 | flow through | 96 | 13 | 0.092 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | juv., 4-6.8 cm | LC50 | flow through | 96 | 7 | 0.084 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | sac fry, 0.9-1 cm | LC50 | flow through | 96 | 10 | 0.518 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 20 | 0.082 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | swim up fry, 0.5-0.6 cm | LC50 | flow through | 96 | 15 | 0.122 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | swim up fry, 0.5-0.6 cm | LC50 | flow through | 96 | 20 | 0.099 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | swim up fry, 0.5-0.6 cm | LC50 | flow through | 96 | 25 | 0.082 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | swim up fry, 0.5-0.6 cm | LC50 | flow through | 96 | 25 | 0.108 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | swim up fry, 0.5-0.6 cm | LC50 | flow through | 96 | 25 | 0.113 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., wild stock | LC50 | flow through | 96 | 15 | 0.191 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 20 | 0.128 | nr. 520: Smith, 1978 |
| Vissen F | Oncorhynchus mykiss | fry, 1g | LC50 | static | 96 | 12 | 0.075 | nr. 10656: Marking, 1984 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 20 | 0.125 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 20 | 0.137 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 20 | 0.131 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 25 | 0.106 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 25 | 0.119 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 25 | 0.129 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | juv., 4-6.8 cm | LC50 | flow through | 96 | 10 | 0.077 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., wild stock | LC50 | flow through | 96 | 10 | 0.165 | nr. 520: Smith, 1978 |
| Vissen F | Pimephales promelas | juv., 2.6-4.5 cm | LC50 | flow through | 96 | 15 | 0.121 | nr. 520: Smith, 1978 |
| Vissen F | Perca flavescens | juv., 4.2-6.8 cm | LC50 | flow through | 96 | 21 | 0.102 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | juv., 4-6.8 cm | LC50 | flow through | 96 | 7 | 0.075 | nr. 520: Smith, 1978 |
| Vissen F | Lepomis macrochirus | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 25 | 0.125 | nr. 520: Smith, 1978 |
| Vissen F | Oncorhynchus mykiss | juv., 4-6.8 cm | LC50 | flow through | 96 | 10 | 0.057 | nr. 520: Smith, 1978 |
| Vissen F | Perca flavescens | swim up fry, 0.4 cm | LC50 | flow through | 96 | 14 | 0.295 | nr. 520: Smith, 1978 |
| Vissen F | Perca flavescens | swim up fry, 0.4 cm | LC50 | flow through | 96 | 14 | 0.337 | nr. 520: Smith, 1978 |
| Vissen F | Perca flavescens | juv., 4.2-6.8 cm | LC50 | flow through | 96 | 15 | 0.09 | nr. 520: Smith, 1978 |

| | | | | | | | | |
|----------|------------------------------|--------------------------|------|--------------|----|-----|-------|----------------------------|
| Vissen F | <i>Perca flavescens</i> | juv., 4.2-6.8 cm | LC50 | flow through | 96 | 18 | 0.094 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 25 | 0.113 | nr. 520: Smith, 1978 |
| Vissen F | <i>Perca flavescens</i> | juv., 4.2-6.8 cm | LC50 | flow through | 96 | 21 | 0.096 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 25 | 0.100 | nr. 520: Smith, 1978 |
| Vissen F | <i>Perca flavescens</i> | juv., 4.2-6.8 cm | LC50 | flow through | 96 | 21 | 0.108 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | 3.8-5.1 cm, 2 g | LC50 | static | 96 | 25 | 0.150 | nr. 923: Henderson, 1961 |
| Vissen F | <i>Lepomis macrochirus</i> | 5cm | LC50 | flow through | 48 | 20 | 0.160 | nr. 15352: Doudoroff, 1966 |
| Vissen F | <i>Oncorhynchus mykiss</i> | juv, 22wk, 53 mm, 1.48 g | LC50 | flow through | 96 | 10 | 0.057 | nr. 2125: Broderius, 1979 |
| Vissen F | <i>Oncorhynchus mykiss</i> | ND | LC50 | static | 96 | 12 | 0.09 | nr. 2283: Bills, 1977 |
| Vissen F | <i>Oncorhynchus mykiss</i> | fry, 1g | LC50 | static | 96 | 12 | 0.054 | nr. 10656: Marking, 1984 |
| Vissen F | <i>Oncorhynchus mykiss</i> | fry, 1g | LC50 | static | 96 | 12 | 0.052 | nr. 10656: Marking, 1984 |
| Vissen F | <i>Oncorhynchus mykiss</i> | fry, 1g | LC50 | static | 96 | 12 | 0.046 | nr. 10656: Marking, 1984 |
| Vissen F | <i>Oncorhynchus mykiss</i> | fry, 1g | LC50 | static | 96 | 12 | 0.062 | nr. 10656: Marking, 1984 |
| Vissen F | <i>Perca flavescens</i> | juv., 4.2-6.8 cm | LC50 | flow through | 96 | 21 | 0.076 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 15 | 0.097 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 10 | 0.094 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 10 | 0.1 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 13 | 0.099 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 13 | 0.112 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 4 | 0.053 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 6 | 0.062 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 25 | 0.120 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 12 | 0.072 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 10 | 0.088 | nr. 520: Smith, 1978 |
| Vissen F | <i>Salvelinus fontinalis</i> | juv., 4-6.8 cm | LC50 | flow through | 96 | 18 | 0.143 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | swim up fry, 0.4 cm | LC50 | flow through | 96 | 20 | 0.365 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | swim up fry, 0.4 cm | LC50 | flow through | 96 | 25 | 0.232 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | swim up fry, 0.4 cm | LC50 | flow through | 96 | 25 | 0.276 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | swim up fry, 0.4 cm | LC50 | flow through | 96 | 25 | 0.271 | nr. 520: Smith, 1978 |
| Vissen F | <i>Lepomis macrochirus</i> | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 8.4 | 0.083 | nr. 520: Smith, 1978 |

| | | | | | | | | |
|---------------|-----------------------|------------------|------|--------------|----|----|-------|------------------------|
| Vissen F | Lepomis macrochirus | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 15 | 0.087 | nr. 520: Smith, 1978 |
| Vissen F | Lepomis macrochirus | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 15 | 0.075 | nr. 520: Smith, 1978 |
| Vissen F | Lepomis macrochirus | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 18 | 0.099 | nr. 520: Smith, 1978 |
| Vissen F | Lepomis macrochirus | juv., 1.3-2.8 cm | LC50 | flow through | 96 | 20 | 0.108 | nr. 520: Smith, 1978 |
| Vissen F | Salvelinus fontinalis | juv., 4-6.8 cm | LC50 | flow through | 96 | 9 | 0.068 | nr. 520: Smith, 1978 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 96 | 20 | 0.09 | nr. 11951: Ewell, 1986 |

RISK AND SAFETY PHRASES:

Risk phrases

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

R32 = contact with acids liberates very toxic gas

Safety phrases

S1 = keep locked up

S7 = keep container tightly closed

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S29 = do not empty into drains

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Natriumhydroxide

Chemische formule: Na O H

Moleculair gewicht: 40

Densiteit (g/l): 2 100

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 2 100

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 1310-73-2

UN-nummer: 1823

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: X

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Gambusia affinis | adult, female | LC 50 | static | 96 | 22-24 | 125 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC 50 | static | 48 | 22-24 | 125 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC 50 | static | 24 | 22-24 | 125 | nr. 508: Wallen, 1957 |

RISK AND SAFETY PHRASES:

Risk phrases

R35 = causes severe burns

Safety phrases

S2 = keep out of reach of children

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37 = wear suitable gloves

S39 = wear eye/face protection

CHEMISCHE GEGEVENS:**Naam chemische stof:** Natriumsilicaat**Chemische formule:** Na Si O₃**Moleculair gewicht:** 122,07**Densiteit (g/l):** 1 700**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 567**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 1344-09-8**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|------------------|----------------------------|---------------|------------|----------|-----------|-------------|-------------------------|
| Vissen F | Gambusia affinis | adult | LC50 | static | 96 | 21-22 | 1800 | nr. 508: Wallen, 1957 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 4.2 | 23 | 247 | nr. 2462: Freeman, 1953 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 96 | 21-25 | 216 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 72 | 21-25 | 413 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 21-25 | 494 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 21-25 | 247 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | adult | LC50 | static | 24 | 23 | 575 | nr. 2465: Dowden, 1961 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Natriumsulfide**Chemische formule:** Na₂S**Moleculair gewicht:** 78,04**Densiteit (g/l):** 2 470**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 2 470**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 1313-82-2**UN-nummer:** 1385**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** ?**Carcinogeen:** N**Gesamp E:** ?**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|------------------------------|
| Fytoplankton F | Chlorella pyrenoidosa | 1000000cel/ml | EC50gr | static | 96 | 20 | 75 | nr. 11455: Van Leeuwen, 1985 |
| Invertebraten M | Cancer magister | first post-larval instar | LC50 | flow through | 96 | 12 | 1 (c. | nr. 7450: Caldwell, 1975 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | flow through | 24 | 14 | 0.7 | nr. 7450: Caldwell, 1975 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | flow through | 48 | 14 | 0.6 | nr. 7450: Caldwell, 1975 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | flow through | 96 | 14 | 0.5 | nr. 7450: Caldwell, 1975 |
| Invertebraten M | Cancer magister | first post-larval instar | LC50 | flow through | 24 | 12 | 1 (c. | nr. 7450: Caldwell, 1975 |
| Invertebraten M | Cancer magister | first post-larval instar | LC50 | flow through | 48 | 12 | 1 (c. | nr. 7450: Caldwell, 1975 |
| Mollusken M | Mytilus edulis | 30-50 mm | LC50 | static | 96 | ND | >50 | nr. 415: Abel, 1976 |
| Mollusken M | Crassostrea gigas | juv. 1-2 mnd. | LC50 | flow through | 24 | 17.5 | 1.4 (c | nr. 7450: Caldwell, 1975 |
| Mollusken M | Crassostrea gigas | juv. 1-2 mnd. | LC50 | flow through | 24 | 17.5 | 2.6 (c | nr. 7450: Caldwell, 1975 |
| Mollusken M | Crassostrea gigas | juv. 1-2 mnd. | LC50 | flow through | 24 | 17.5 | 3.3 (c | nr. 7450: Caldwell, 1975 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 21-25 | 750 | nr. 508: Wallen, 1957 |
| Vissen F | Poecilia reticulata | ND | LC50 | renewal | 96 | ND | 15 | nr. 11455: Van Leeuwen, 1985 |
| Vissen F | Lepomis macrochirus | 7cm, 5g | LC50 | static | 24 | 20 | 25 | nr. 922: Turnbull, 1954 |
| Vissen F | Lepomis macrochirus | 7cm, 5g | LC50 | static | 48 | 20 | 25 | nr. 922: Turnbull, 1954 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 48 | ND | 1.38(| nr. 2455: Black, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 24 | 21-25 | 750 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 21-25 | 750 | nr. 508: Wallen, 1957 |

| | | | | | | | | |
|---------------|---------------|-----|------|--------|----|----|-----|----------------------------------|
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 7.1 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | ND | 2.1 | nr. 11455: Van Leeuwen , 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

R31= contact with acids liberates toxic gas

R34 = causes burns

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:**Naam chemische stof:** Natriumsulfiet**Chemische formule:** O3 S.2Na**Moleculair gewicht:** 126,04**Densiteit (g/l):** 2 600**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 289**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 7757-83-7**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 96 | 23 | 52 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 23 | 69 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 23 | 76 | nr. 915: Dowden, 1965 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Nitrobenzeen**Chemische formule:** C6 H5 N O2**CAS registratie nummer:** 98-95-3**Moleculair gewicht:** 123,12**UN-nummer:** 1662**Densiteit (g/l):** 1 204**Dampdruk (Pa):** 27**Oplosbaarheid (g/l):** 2**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------------|
| Fytoplankton F | Chlorella pyrenoidosa | 2.10 8 cellen/l | EC50gr | static | 96 | 25 | 18 | nr. 5375: Maas-Diepeveen, 1986 |
| Vissen F | Pimephales promelas | 31-35d, 160mg | LC50 | flow through | 96 | 24.6 | 117 | nr. 10954: Holcombe, 1984 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 96 | 22 | 43 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | 135 | nr. 5590: Buccafusco, 1981 |
| Vissen M | Cyprinidon variegatus | ? | LC50 | static | 96 | 22 | 59 | nr. 6334: Heitmueller, 1981 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | static | 48 | 20 | 35 | nr. 6629: Canton, 1985 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 27 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 24 | nr. 5184: LeBlanc, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases**

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

R33 = danger of cumulative effects

Safety phrases

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S36 = wear suitable protective clothing

S37 = wear suitable gloves

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Nitroethaan

Chemische formule: C2 H5 N O2

Moleculair gewicht: 75,08

Densiteit (g/l): 1 050

Dampdruk (Pa): 2 000

Oplosbaarheid (g/l): 50

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 79-24-3

UN-nummer: 2842

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: SD

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|--------------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------|
| Fytoplankton M | Bellerochea polymorpha | 10000 cells/ml | PGR | static | 96 | 20 | 10 | nr. 5309: Fisher, 1977 |
| Fytoplankton M | Fragilaria pinnata | 10000 cells/ml | PGR | static | 96 | 20 | 10 | nr. 5309: Fisher, 1977 |
| Fytoplankton M | Thalassiosira guillardii | 10000 cells/ml | PGR | static | 96 | 20 | 10 | nr. 5309: Fisher, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R20 = harmful by inhalation

R22 = harmful if swallowed

Safety phrases

S9 = keep container in a well ventilated place

S25 = avoid contact with eyes

S41 = in case of fire and/or explosion do not breathe fumes

CHEMISCHE GEGEVENS:

Naam chemische stof: Nitromethaan

Chemische formule: C H₃ N O₂

Moleculair gewicht: 61,05

Densiteit (g/l): 1 139

Dampdruk (Pa): 3 600

Oplosbaarheid (g/l): 104

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 75-52-5

UN-nummer: 1261

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Vissen F | Pimephales promelas | ? | LC 50 | static | 96 | 22 | 278 | nr. 2965: Curtis, 1981 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

R5 = heating may cause an explosion

S41 = in case of fire and/or explosion do not breathe fumes

R10 = flammable

R22 = harmful if swallowed

CHEMISCHE GEGEVENS:

Naam chemische stof: Octaan

Chemische formule: C₈ H₁₈

Moleculair gewicht: 114,26

Densiteit (g/l): 703

Dampdruk (Pa): 1 306

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 111-65-9

UN-nummer: 1262

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 3

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Invertebraten M | Artemia salina | ND | LC50 | static | 24 | 22 | 1.4 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im. | static | 48 | 23 | 0.37 | nr. 11936: Bobra, 1983 |

RISK AND SAFETY PHRASES:Risk phrases

R11 = highly flammable

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Octanol

Chemische formule: C8 H18 O

Moleculair gewicht: 130,26

Densiteit (g/l): 829

Dampdruk (Pa): 20 260

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 111-87-5

UN-nummer: 1987

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: X

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------|
| Fytoplankton | Scenedesmus subspicatus | log gro phase | EC50gr | static | 48 | 24 | 14 | nr. 2997: Kuhn, 1990 |
| Invertebraten M | Nitocra spinipes | 0.6-0.8mm, adulten | LC50 | static | 96 | 21 | 58 | nr. 5185: Linden, 1979 |
| Vissen F | Pimephales promelas | 34d, 13.8 mm, 0.032g | LC50 | flow through | 96 | 26.3 | 13 | nr. 3217: Geiger, 1990 |
| Vissen M | Alburnus alburnus | 8 cm | LC50 | static | 96 | 10 | 15-17 | nr. 5185: Linden, 1979 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

R22 = harmful if swallowed

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Oleïnezuur**Chemische formule:** C18 H34 O2**CAS registratie nummer:** 112-80-1**Moleculair gewicht:** 282,52**UN-nummer:** /**Densiteit (g/l):** 890**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 890**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------|
| Vissen F | Pimephales promelas | 4-8 weken, 1.1-3.1cm | LC50 | static | 96 | 18-22 | 205 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | 4-8 weken, 1.1-3.1cm | LC50 | static | 72 | 18-22 | 205 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | 4-8 weken, 1.1-3.1cm | LC50 | static | 48 | 18-22 | 252 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | 4-8 weken, 1.1-3.1cm | LC50 | static | 24 | 18-22 | 285 | nr. 719: Mattson, 1976 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

CHEMISCHE GEGEVENS:

Naam chemische stof: Ortho-dichloorbenzeen

Chemische formule: C6 H4 Cl2

CAS registratie nummer: 95-50-1

Moleculair gewicht: 147

UN-nummer: 1591

Densiteit (g/l): 1 306

Dampdruk (Pa): 23 328

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 3

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Selenastrum capricornutum | 50000cells/ml | EC50gr. | static | 96 | 20 | 2.2 | nr. 10745: Galassi, 1981 |
| Fytoplankton M | Phaeodactylum tricornutum | 250000cells/ml | EC50gr. | PGR | 10d | 20.5 | 1.3 | nr. 8039: Ukeles, 1962 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 96 | 22 | 10 | nr. 2965: Curtis, 1981 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 15 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 24 | 22 | 14.3 | nr. 875: Curtis, 1979 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 96 | 22 | 9.4 | nr. 875: Curtis, 1979 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 48 | 22 | 10.3 | nr. 875: Curtis, 1979 |
| Vissen F | Pimephales promelas | 3.4-4.2cm | LC50 | static | 48 | 22 | 76.3 | nr. 875: Curtis, 1979 |
| Vissen F | Pimephales promelas | 0.3-1g | LC50 | static | 96 | 22 | 57 | nr. 2965: Curtis, 1981 |
| Vissen F | Pimephales promelas | 3.4-4.2cm | LC50 | static | 96 | 22 | 57 | nr. 875: Curtis, 1979 |
| Vissen F | Oncorhynchus mykiss | 5.6 cm, 2.69g, fingerling | LC50 | flow through | 72 | 12 | 1.58 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 5.6 cm, 2.69g, fingerling | LC50 | flow through | 6d. | 12 | 1.54 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 5.6 cm, 2.69g, fingerling | LC50 | flow through | 96 | 12 | 1.58 | nr. 10579: Call, 1983 |
| Vissen F | Pimephales promelas | 32d, 17.3mm, 0.079g | LC50 | flow through | 96 | 26 | 9.47 | nr. 12858: Geiger, 1986 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 27 | nr. 863: Dawson, 1977 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | 6.3 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 96 | 22 | 5.6 | nr. 5590: Buccafusco, 1981 |

| | | | | | | | | |
|---------------|-----------------------|------------------------------|--------|-----------------|----|----|------|----------------------------------|
| Vissen F | Oncorhynchus mykiss | ND | LC50 | static | 48 | 15 | 2.3 | nr. 15526: Calamari, 1983 |
| Vissen F | Oncorhynchus mykiss | 5.6 cm, 2.69g, fingerling | LC50 | flow through | 24 | 12 | 1.65 | nr. 10579: Call, 1983 |
| Vissen F | Oncorhynchus mykiss | 5.6 cm, 2.69g, fingerling | LC50 | flow through | 48 | 12 | 1.58 | nr. 10579: Call, 1983 |
| Vissen M | Cyprinodon variegatus | ND | LC50 | static | 96 | ND | 9.7 | nr. 6634: Heitmüller, 1981 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 7.3 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 45 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 2.4 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 2.4 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 21 | 68 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 48 | ND | 0.74 | nr. 6629: Canton, 1985 |
| Zoöplankton F | Daphnia magna | <24h | EC50im | static | 24 | 25 | 1.7 | nr. 847: Kuhn , 1989 |
| Zoöplankton F | Daphnia magna | 1.5mm | EC50im | static | 48 | ND | 2.35 | nr. 10805: Bobra, 1985 |
| Zoöplankton F | Daphnia magna | 4-6d. | EC50im | static | 48 | 23 | 2.35 | nr. 11926: Abernethy, 1986 |
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 24 | ND | 0.78 | nr. 15526: Calamari, 1983 |

RISK AND SAFETY PHRASES:

Risk phrases

R20 = harmful by inhalation

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:**Naam chemische stof:** Ortho-nitrofenol**Chemische formule:** C₆ H₅ N O₃**CAS registratie nummer:** 88-75-5**Moleculair gewicht:** 139,12**UN-nummer:** 1663**Densiteit (g/l):** 1 280**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 152**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Invertebraten M | Crangon septimspinosa | 3.8cm, 0.6g | LC50 | renewal | 96 | 10 | 32,9 | nr. 5810: McLeese, 1979 |
| Vissen F | Lepomis macrochirus | juv., 3.2-5.5cm, 0.8-4.9g | LC50 | renewal | 24 | 20 | 66.9 | nr. 937: Lammering, 1961 |
| Vissen F | Pimephales promelas | 30d, 18.3mm, 0.087g | LC50 | flow through | 96 | 25.6 | 160 | nr. 3217: Geiger, 1980 |
| Vissen F | Oryzias latipes | 3cm, 0.3g | LC50 | static | 48 | 20 | 1,6 | nr. 12513: Yoskioka, 1986 |
| Zoöplankton F | Daphnia magna | 24h | EC50 | static | 24 | 21 | 55 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 210 | nr. 5718 : Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 48 | 20 | 17 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 24 | 20 | 27 | nr. 847: Kuhn, 1989 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

R20 = harmful by inhalation

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

R21 = harmful in contact with skin

R22 = harmful if swallowed

R33 = danger of cumulative effects

CHEMISCHE GEGEVENS:

Naam chemische stof: Ortho-toluidine

Chemische formule: C7 H9 N

Moleculair gewicht: 107,17

Densiteit (g/l): 998

Dampdruk (Pa): 26 793

Oplosbaarheid (g/l): 5

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 95-53-4

UN-nummer: 1708

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|------------|----------|-----------|-------------|--------------------------------|
| Fytoplankton | Scenedesmus subspicatus | log gro phase | EC50gr | static | 72 | 24 | >8 | nr. 2997: Kuhn, 1990 |
| Fytoplankton | Scenedesmus subspicatus | log gro phase | EC50gr | static | 48 | 24 | >8 | nr. 2997: Kuhn, 1990 |
| Fytoplankton F | Chlorella pyrenoidosa | log phase, 200000cellen/ml | EC50gr | static | 96 | 25 | 55 | nr. 5375: Maas-Diepeveen, 1986 |
| Invertebraten M | Elasmopus pectinierus | adult | LC50 | renewal | 96 | 23 | >40 | nr. 5013: Lee, 1978 |
| Invertebraten M | Elasmopus pectinierus | adult | LC50 | renewal | 48 | 23 | >40 | nr. 5013: Lee, 1978 |
| Invertebraten M | Elasmopus pectinierus | adult | LC50 | renewal | 24 | 23 | >40 | nr. 5013: Lee, 1978 |
| Vissen F | Cyprinidae | ND | LC50 | ND | 48 | ND | 78.5 | nr. 10132: Tonogai, 1983 |
| Zoöplankton F | Daphnia magna | 24 | LC50 | static | 24 | 20-22 | 26 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | 24 | LC50 | static | 48 | 20 | 0.52 | nr. 5375: Maas-Diepeveen, 1986 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 9 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R23 = toxic by inhalation

R24 = toxic in contact with skin

R25 = toxic if swallowed

R33 = danger of cumulative effects

Safety phrases

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S36 = wear suitable protective clothing

S37= wear suitable gloves

S44 = if you feel unwell, seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Ortho-xyleen

Chemische formule: C8 H10

Moleculair gewicht: 106,18

Densiteit (g/l): 880

Dampdruk (Pa): 1 330

Oplosbaarheid (g/l): 0

Pow: 3

Aggregatietoestand: Vloeistof

CAS registratie nummer: 95-47-6

UN-nummer: 1307

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Chlorella vulgaris | ND | EC50gr | static | 24 | 20 | 55 | nr. 2215: Kauss, 1975 |
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 72 | 25 | 4.7 | nr. 13142: Galassi, 1988 |
| Fytoplankton M | Skeletonema costatum | ND | EC50gr | static | 72 | 18 | 10 | ? |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 23.6 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 48 | 13 | 38 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Cancer magister | 1st instar zoeae | LC50 | static | 96 | 13 | 6 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Crangon franciscorum | adult, 1.8g | LC50 | static | 24 | 16 | 5.3 | nr 558: Benville, 1977 |
| Invertebraten M | Crangon franciscorum | adult, 1.8g | LC50 | static | 96 | 16 | 1.3 | nr 558: Benville, 1977 |
| Mollusken M | Crassostrea gigas | eggs | LC50 | static | 48 | 21 | 169 | nr. 8621: Legore, 1974 |
| Vissen F | Lepomis macrochirus | 1.1g | LC50 | flow through | 96 | 17 | 16 | nr. 12665: Holcombe, 1987 |
| Vissen F | Pimephales promelas | 55-57d | LC50 | flow through | 96 | 17 | 16.4 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | 32d, 20.8mm, 0.114g | LC50 | flow through | 96 | 25 | 16.4 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | 0.3g | LC50 | flow through | 96 | 17 | 16.1 | nr. 12665: Holcombe, 1987 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 13 | nr. 623: Bridie, 1979 |
| Vissen F | Carassius auratus | 2.5g | LC50 | static | 96 | 17 | 16 | nr. 12665: Holcombe, 1987 |
| Vissen F | Oncorhynchus mykiss | 13.1g | LC50 | flow through | 96 | 17 | 8.05 | nr. 12665: Holcombe, 1987 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | renewal | 96 | 12 | 7.6 | nr. 13142: Galassi, 1988 |
| Vissen M | Oncorhynchus kisutch | ND | LC50 | static | 96 | 16 | 5.5 | ? |
| Vissen M | Morone saxatilis | juv., 6g | LC50 | static | 96 | 16 | 11 | nr 558: Benville, 1977 |

| | | | | | | | | |
|---------------|------------------|-------------|--------|--------|----|----|------|--------------------------|
| Vissen M | Morone saxatilis | juv., 6g | LC50 | static | 24 | 16 | 11 | nr 558: Benville, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 24 | 20 | 1 | nr. 13142: Galassi, 1988 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 3.18 | nr. 11936: Bobra, 1983 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 20 | 165 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:

Naam chemische stof: Oxaalzuur

Chemische formule: C2 H2 O4

CAS registratie nummer: 144-62-7

Moleculair gewicht: 90,04

UN-nummer: /

Densiteit (g/l): 1 700

Dampdruk (Pa): 1

Oplosbaarheid (g/l): 155

Pow: 0

Aggregatietoestand: Vaste stof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|------------------------------|
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 222 | nr. 5303: Bringmann, 1980 |
| Zoöplankton F | Daphnia magna | 24h | EC50im. | static | 48 | 22 | 136.9 | nr. 2193: Randall, 1980 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

R21 = harmful in contact with skin

S2 = keep out of reach of children

R22 = harmful if swallowed

S24 = avoid contact with skin

S25= avoid contact with eyes

CHEMISCHE GEGEVENS:

Naam chemische stof: Para-cymeen

Chemische formule: C₁₀H₁₄

Moleculair gewicht: 134,24

Densiteit (g/l): 857

Dampdruk (Pa): 688 840

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 99-87-6

UN-nummer: 2046

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: E

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 48 | 22 | 6.5 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Para-xyleen**Chemische formule:** C8 H10**Moleculair gewicht:** 106,18**Densiteit (g/l):** 861**Dampdruk (Pa):** 1 197**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 106-42-3**UN-nummer:** 1307**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** I**Carcinogeen:** N**Gesamp E:** X**Gedrag:** FE**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 72 | 25 | 3.2 | nr. 13142: Galassi, 1988 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 20 | 24.59 | nr. 11926: Abernethy, 1986 |
| Invertebraten M | Crangon franciscorum | adult, 1.8g | LC50 | static | 96 | 16 | 2 | nr 558: Benville, 1977 |
| Invertebraten M | Crangon franciscorum | adult, 1.8g | LC50 | static | 24 | 16 | 2 | nr 558: Benville, 1977 |
| Mollusken M | Crassostrea gigas | eggs | LC50 | static | 48 | 21 | 584 | nr. 8621: Legore, 1974 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | renewal | 96 | 12 | 2.6 | nr. 13142: Galassi, 1988 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 18 | nr. 623: Bridie, 1979 |
| Vissen M | Morone saxatilis | juv, 6g | LC50 | static | 96 | 16 | 2 | nr 558: Benville, 1977 |
| Vissen M | Morone saxatilis | juv, 6g | LC50 | static | 24 | 16 | 2 | nr 558: Benville, 1977 |
| Zoöplankton F | Daphnia magna | 4-6d, 1.5mm | EC50im | static | 48 | 23 | 8.48 | nr. 11936: Bobra, 1983 |
| Zoöplankton F | Daphnia magna | ND | EC50im | static | 24 | ND | 3.6 | nr. 13142: Galassi, 1988 |

RISK AND SAFETY PHRASES:**Risk phrases**

R10 = flammable

R20 = harmful by inhalation

Safety phrases

S24 = avoid contact with skin

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:

Naam chemische stof: Polypropyleenglycol

Chemische formule: (C3 H6 O) x H2O

CAS registratie nummer: 25322-69-4

Moleculair gewicht: polymeer

UN-nummer: /

Densiteit (g/l): 1 012

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 1 012

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 1700 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 650 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Propanol**Chemische formule:** C₃ H₈ O**Moleculair gewicht:** 60,11**Densiteit (g/l):** 803**Dampdruk (Pa):** 1 933**Oplosbaarheid (g/l):** 803**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 71-23-8**UN-nummer:** 1274**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 4200 | nr. 2408: Price, 1974 |
| Invertebraten M | Nitocra spinipes | adult, 3-6 wk | LC50 | static | 96 | 21 | 2300 | nr. 10870: Bengtsson, 1984 |
| Invertebraten M | Nitocra spinipes | 6-8mm, adults | LC50 | static | 96 | 21 | 2300 | nr. 5185: Linden, 1979 |
| Vissen F | Pimephales promelas | 30d, 21.3mm, 0.16g | LC50 | flow through | 96 | 27.7 | 4480 | nr. 12448: Brooke, 1984 |
| Vissen F | Pimephales promelas | 29d, 23.8mm, 0.21g | LC50 | flow through | 96 | 26.7 | 4630 | nr. 12448: Brooke, 1984 |
| Zoöplankton F | Daphnia pulex | <1d | LC50 | static | 48 | ND | 2950 | nr. 2017: Canton, 1978 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 4415 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 4450 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im | static | 48 | 20 | 3644 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | 6-24h | EC50im | static | 24 | 20 | 4262 | nr. 846: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | < 1d | LC50 | static | 48 | ND | 6300 | nr. 2017: Canton, 1978 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

Safety phrases

S7= keep container tightly closed

S16 = keep away from sources of ignition - no smoking

CHEMISCHE GEGEVENS:

Naam chemische stof: Propionaldehyde

Chemische formule: C3 H6 O

Moleculair gewicht: 58,09

Densiteit (g/l): 805

Dampdruk (Pa): 30 000

Oplosbaarheid (g/l): 805

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 123-38-6

UN-nummer: 1275

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Gesamp D: 1

Gesamp E: 0

Persistentie: ?

Carcinogeen: N

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 130 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | ND | 96 | 20 | 100 | nr. 863: Dawson, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

R36 = irritating to eyes

R37 = irritating to respiratory system

R38 = irritating to skin

Safety phrases

S9 = keep container in a well ventilated place

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

CHEMISCHE GEGEVENS:**Naam chemische stof:** Propionzuur**Chemische formule:** C3 H6 O2**Moleculair gewicht:** 74,09**Densiteit (g/l):** 995**Dampdruk (Pa):** 500**Oplosbaarheid (g/l):** 995**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 79-09-4**UN-nummer:** 1848**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Vissen F | Cyprinus carpio | ND | LC50 | ND | 48 | 17-18 | 73 | nr. 6124: Funasaka, 1976 |
| Vissen F | Lepomis macrochirus | ND | LC50 | ND | 24 | 21-25 | 188 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 20-22 | 270 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 21-25 | 50 | nr. 915: Dowden, 1965 |

RISK AND SAFETY PHRASES:**Risk phrases**

R34 = causes burns

Safety phrases

S2 = keep out of reach of children

S23= do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:

Naam chemische stof: Propyleenoxide

Chemische formule: C₃ H₆ O

CAS registratie nummer: 75-56-9

Moleculair gewicht: 58,09

UN-nummer: 1280

Densiteit (g/l): 830

Dampdruk (Pa): 59 851

Oplosbaarheid (g/l): 830

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: Y

Gesamp E: XX

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|-----------------------|
| Vissen F | Lepomis macrochirus | 30-40mm | LC50 | static | 96 | 23 | 141 | nr. 840: Crews, 1974 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 170 | nr. 623: Bridie, 1979 |
| Vissen M | Mugil cephalus | 70-80mm | LC50 | static | 96 | 23 | 89 | nr. 840: Crews, 1974 |

RISK AND SAFETY PHRASES:

Risk phrases

R12 = extremely flammable
R20 = harmful by inhalation
R21 = harmful in contact with skin
R22 = harmful if swallowed
R36 = irritating to eyes

Safety phrases

S9 = keep container in a well ventilated place
S16 = keep away from sources of ignition - no smoking
S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S29 = do not empty into drains

CHEMISCHE GEGEVENS:

Naam chemische stof: Pyridine

Chemische formule: C₅ H₅ N

Moleculair gewicht: 79,11

Densiteit (g/l): 983

Dampdruk (Pa): 1 500

Oplosbaarheid (g/l): 983

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 110-86-1

UN-nummer: 1282

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: XX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Invertebraten M | Artemia salina | nauplii | EC50im. | static | 24 | 19 | 1318. | nr. 11322: Foster, 1984 |
| Invertebraten M | Artemia salina | nauplii (stage 2) | EC50im. | static | 24 | 19 | 831.8 | nr. 11322: Foster, 1984 |
| Invertebraten M | Artemia salina | nauplii (stage 2) | EC50im. | static | 24 | 19 | 489.4 | nr. 11322: Foster, 1984 |
| Invertebraten M | Crangon septimspinosa | 6.4-8.3cm, 2.4-4.5g | LC50 | renewal | 96 | 10 | >50 | nr. 5810: Mc Leese, 1979 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 24 | 23 | 1350 | nr. 508: Wallen, 1957 |
| Vissen F | Pimephales promelas | 31d, 18mm, 0.1g | LC50 | flow through | 96 | 25 | 93.8 | nr. 12858: Geiger, 1986 |
| Vissen F | Cyprinus carpio | 4-5 cm | LC50 | renewal | 24 | 27 | 47.5 | nr. 2077: Rao, 1975 |
| Vissen F | Cyprinus carpio | 4-5 cm | LC50 | renewal | 96 | 27 | 26 | nr. 2077: Rao, 1975 |
| Vissen F | Oncorhynchus mykiss | 4.1 cm, 0.7g | LC50 | static | 96 | 8-14 | 4.6 | nr. 12605: Wan, 1987 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 23 | 1350 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 23 | 1300 | nr. 508: Wallen, 1957 |
| Vissen F | Oncorhynchus mykiss | 4.1 cm, 0.7g | LC50 | static | 24 | 8-14 | 4.6 | nr. 12605: Wan, 1987 |
| Vissen F | Oncorhynchus mykiss | 4.1 cm, 0.7g | LC50 | static | 72 | 8-14 | 4.6 | nr. 12605: Wan, 1987 |
| Vissen F | Cyprinus carpio | 4-5 cm | LC50 | renewal | 48 | 27 | 35 | nr. 2077: Rao, 1975 |
| Vissen F | Oncorhynchus mykiss | 4.1 cm, 0.7g | LC50 | static | 48 | 8-14 | 4.6 | nr. 12605: Wan, 1987 |
| Vissen M | Oncorhynchus gorboscha | 3.5 cm, 0.2g | LC50 | static | 24 | 8-14 | 1.3 | nr. 12605: Wan, 1987 |
| Vissen M | Oncorhynchus gorboscha | 3.5 cm, 0.2g | LC50 | static | 48 | 8-14 | 1.2 | nr. 12605: Wan, 1987 |
| Vissen M | Oncorhynchus gorboscha | 3.5 cm, 0.2g | LC50 | static | 72 | 8-14 | 1.2 | nr. 12605: Wan, 1987 |

| | | | | | | | | |
|---------------|------------------------|--------------|---------|--------|----|------|------|---------------------------|
| Vissen M | Oncorhynchus kisutch | 4cm, 0.5g | LC50 | static | 24 | 8-14 | 4.3 | nr. 12605: Wan, 1987 |
| Vissen M | Oncorhynchus kisutch | 4cm, 0.5g | LC50 | static | 96 | 8-14 | 3.8 | nr. 12605: Wan, 1987 |
| Vissen M | Oncorhynchus kisutch | 4cm, 0.5g | LC50 | static | 72 | 8-14 | 3.8 | nr. 12605: Wan, 1987 |
| Vissen M | Oncorhynchus kisutch | 4cm, 0.5g | LC50 | static | 48 | 8-14 | 4 | nr. 12605 : Wan, 1987 |
| Vissen M | Oncorhynchus gorboscha | 3.5 cm, 0.2g | LC50 | static | 96 | 8-14 | 1.1 | nr. 12605: Wan, 1987 |
| Zoöplankton F | Daphnia magna | 24h | EC50im. | static | 24 | ND | 495 | nr. 10464: Gorbi, 1984 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 520 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24 | LC50 | static | 24 | 21 | 240 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 48 | 23 | 944 | nr. 915: Dowden, 1965 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 23 | 2114 | nr. 915: Dowden, 1965 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

R20 = harmful by inhalation

R21 = harmful in contact with skin

R22 = harmful if swallowed

Safety phrases

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

CHEMISCHE GEGEVENS:

Naam chemische stof: Styreen (monomeer)

Chemische formule: C8 H8

Moleculair gewicht: 104,16

Densiteit (g/l): 906

Dampdruk (Pa): 600

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 100-42-5

UN-nummer: 2055

GESAMP HAZARD PROFILE:

Gesamp A: T

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: Y

Gesamp E: XX

Gedrag: FE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|------------------------------|---------------|------------|----------|-----------|-------------|--------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 68 | nr. 2408: Price, 1974 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 48 | 24 | 52 | nr. 2408: Price, 1974 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 24 | 20 | 26 | nr. 623 : Bridie, 1979 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 74.83 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 74.83 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 74.83 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 64.74 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 64.74 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 59.3 (| nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 25 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 25 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 25 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 46.4 (| nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 62.8 (| nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 64.74 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 62.8 (| nr. 728: Pickering, 1966 |
| Vissen F | Oncorhynchus mykiss | 0.5-3g | LC50 | static | 24 | 15 | 2.5 | nr. 15923: Qureshi, 1982 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 53.58 | nr. 728: Pickering, 1966 |

| | | | | | | | | |
|---------------|-----------------------|----------------------------|------|-----------------|----|----|-------|----------------------------------|
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 56.73 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 30d, 19mm, 0.1g | LC50 | flow through | 96 | 21 | 4 | nr. 3217: Geiger, 1990 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1- 1.3cm | LC50 | static | 96 | 20 | 29 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1- 1.3cm | LC50 | static | 72 | 20 | 29 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1- 1.3cm | LC50 | static | 48 | 20 | 29 | nr. 719: Mattson, 1976 |
| Vissen F | Pimephales promelas | juv., 4-8wk, 1.1- 1.3cm | LC50 | static | 24 | 20 | 30 | nr. 719: Mattson, 1976 |
| Vissen M | Cyprinidon variegatus | ND | LC50 | static | 96 | ND | 9.1 | nr. 6634: Heitmüller, 1981 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 182 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 25.5 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 15 | 59 | nr. 15923: Qureshi, 1982 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 23 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 27 | nr. 5184: Le Blanc, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

R10 = flammable

/

R36 = irritating to eyes

R37 = irritating to respiratory system

CHEMISCHE GEGEVENS:**Naam chemische stof:** Tert-butylamine**Chemische formule:** C4 H11 N**Moleculair gewicht:** 73,16**Densiteit (g/l):** 696**Dampdruk (Pa):** 13 300**Oplosbaarheid (g/l):** 696**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 75-64-9**UN-nummer:** 1125**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Vissen F | Pimephales promelas | 30d; 16.5mm; 0.067g | LC50 | flow through | 96 | 25.8 | 268 | nr. 12858: Geiger, 1986 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 32 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 24 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 43 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 20-22 | 75 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

CHEMISCHE GEGEVENS:

Naam chemische stof: Tetrachloorkoolstof

Chemische formule: C Cl₄

Moleculair gewicht: 153,81

Densiteit (g/l): 1 590

Dampdruk (Pa): 1 197

Oplosbaarheid (g/l): 1,6

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 56-23-5

UN-nummer: 1846

GESAMP HAZARD PROFILE:

Gesamp A: Z

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: Y

Gesamp E: XX

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|-----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton | Chilomonas paramecium | ? | PGR | static | 48 | 20 | >300 | nr. 5719: Bringmann, 1980 |
| Fytoplankton | Entosiphon sulcatum | ? | PGR | static | 72 | 25 | 770 | nr. 5303: Bringmann, 1980 |
| Vissen F | Pimephales promelas | 3d, 17.4mm, 0.098g | LC50 | flow through | 96 | 21.7 | 41.4 | nr. 3217: Geiger, 1990 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 125 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 150 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | ? | EC50 | static | 24 | ? | 721 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 35 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 35 | nr. 5184: LeBlanc, 1980 |

RISK AND SAFETY PHRASES:

| <u>Risk phrases</u> | <u>Safety phrases</u> |
|---------------------------------------|--|
| R26 = very toxic by inhalation | S2 = keep out of reach of children |
| R27 = very toxic in contact with skin | S38 = in case of insufficient ventilation wear suitable respiratory equipment |
| | S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible) |

CHEMISCHE GEGEVENS:

Naam chemische stof: Tetraethyl dithiopyrofosfaat

Chemische formule: C8 H20 O5 P2 S2

CAS registratie nummer: 3689-24-5

Moleculair gewicht: 322,34

UN-nummer: 1704

Densiteit (g/l): 1 190

Dampdruk (Pa): 0

Oplosbaarheid (g/l): 1 190

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|---------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------|
| Vissen F | Oncorhynchus mykiss | ND | LC 50 | ND | 96 | ND | 0.001 | nr. 551: Meier, 1979 |
| Vissen F | Lepomis macrochirus | ND | LC 50 | static | 96 | ND | 0.001 | nr. 551: Meier, 1979 |
| Vissen F | Pimephales promelas | ND | LC 50 | static | 96 | ND | 0.178 | nr. 551: Meier, 1979 |
| Zoöplankton F | Daphnia magna | ND | LC 50 | static | 48 | ND | 0.000 | nr. 551: Meier, 1979 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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/

CHEMISCHE GEGEVENS:

Naam chemische stof: Tetraethyllood

Chemische formule: C₈ H₂₀ Pb

CAS registratie nummer: 78-00-2

Moleculair gewicht: 323,47

UN-nummer: 1649

Densiteit (g/l): 1 633

Dampdruk (Pa): 27

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: Z

Gesamp B: 3

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton M | Dunaliella tertiolecta | ? | EC50PS | static | 48 | 20 | 0.15 | nr. 5773: Marchetti, 1978 |
| Fytoplankton M | Phaeodactylum tricornutum | ? | EC50PS | static | 96 | ? | 0.1 | nr. 5800: Maddock, 1980 |
| Invertebraten M | Crangon crangon | 4.8cm; 1.1g | LC50 | flow through | 96 | 15 | 0.650 | nr. 5800: Maddock, 1980 |
| Invertebraten M | Crangon crangon | 4.8cm; 1.1g | LC50 | flow through | 96 | 15 | 0.02 | nr. 5800: Maddock, 1980 |
| Invertebraten M | Artemia salina | nauplii | LC50 | flow through | 48 | 20 | 0.085 | nr. 5773: Marchetti, 1978 |
| Mollusken M | Mytilus edulis | 6.4cm; 28.5g | LC50 | flow through | 96 | 15 | 0.12 | nr. 5800: Maddock, 1980 |
| Mollusken M | Mytilus edulis | 6.4cm; 28.5g | LC50 | flow through | 96 | 15 | 0.1 | nr. 5800: Maddock, 1980 |
| Vissen M | Dicentrarchus labrax | 6mm | LC50 | static | 48 | 20 | 0.065 | nr. 5773: Marchetti, 1978 |
| Vissen M | Pleuronectes platessa | 5.2cm, 2.8g | LC50 | flow through | 96 | 15 | 0.23 | nr. 5800: Maddock, 1980 |

RISK AND SAFETY PHRASES:

Risk phrases

R26 = very toxic by inhalation
R27 = very toxic in contact with skin
R28 = very toxic if swallowed
R33 = danger of cumulative effects

Safety phrases

S13= keep away from food, drink and animal feed
S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36 = wear suitable protective clothing
S37= wear suitable gloves
S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Tetraethylpyrofosfaat**Chemische formule:** C₈ H₂₀ O₇ P₂**CAS registratie nummer:** 107-49-3**Moleculair gewicht:** 290,22**UN-nummer:** 1705**Densiteit (g/l):** 1 180**Dampdruk (Pa):** 10 100**Oplosbaarheid (g/l):** 130**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|---------------------------|
| Vissen F | Lepomis macrochirus | 1.5g, 5cm | LC50 | static | 24 | 25 | 0.79 (| nr. 2155: Henderson, 1958 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 21 | nr. 2893: Pickering, 1962 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 21 | nr. 2893: Pickering, 1962 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 21 | nr. 2893: Pickering, 1962 |
| Vissen F | Poecilia reticulata | 6mnd, 2-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 1.8 | nr. 2893: Pickering, 1962 |
| Vissen F | Poecilia reticulata | 6mnd, 2-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 1.8 | nr. 2893: Pickering, 1962 |
| Vissen F | Poecilia reticulata | 6mnd, 2-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 1.8 | nr. 2893: Pickering, 1962 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 1.3 | nr. 2893: Pickering, 1962 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 1.3 | nr. 2893: Pickering, 1962 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 1.3 | nr. 2893: Pickering, 1962 |
| Vissen F | Lepomis macrochirus | 1.5g, 5cm | LC50 | static | 24 | 25 | 0.84 (| nr. 2155: Henderson, 1958 |
| Vissen F | Oncorhynchus mykiss | 1g | LC50 | static | 96 | 12 | 0.7 | nr.666: Johnson, 1980 |
| Vissen F | Lepomis macrochirus | 1.5g, 5cm | LC50 | static | 96 | 25 | 0.84 (| nr. 2155: Henderson, 1958 |
| Vissen F | Pimephales promelas | 1-1.5g, 5-6.5cm | LC50 | static | 96 | 25 | 1(h=h | nr. 2155: Henderson, 1958 |
| Vissen F | Lepomis macrochirus | 1.5g, 5cm | LC50 | static | 48 | 25 | 0.79 (| nr. 2155: Henderson, 1958 |
| Vissen F | Lepomis macrochirus | 1.5g, 5cm | LC50 | static | 96 | 25 | 0.79 (| nr. 2155: Henderson, 1958 |
| Vissen F | Lepomis macrochirus | 0.8g | LC50 | static | 96 | 24 | 0.64 | nr.666: Johnson, 1980 |
| Vissen F | Pimephales promelas | 0.6g | LC50 | static | 96 | 18 | 0.24 | nr.666: Johnson, 1980 |

| | | | | | | | | |
|----------|---------------------|-----------------|------|--------|----|----|--------|------------------------------|
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 2.1 | nr. 2893: Pickering, 1962 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 2.1 | nr. 2893: Pickering, 1962 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 2.1 | nr. 2893: Pickering, 1962 |
| Vissen F | Pimephales promelas | 1-1.5g, 5-6.5cm | LC50 | static | 24 | 25 | 1.7(h | nr. 2155: Henderson, 1958 |
| Vissen F | Pimephales promelas | 1-1.5g, 5-6.5cm | LC50 | static | 48 | 25 | 1.7(h | nr. 2155: Henderson, 1958 |
| Vissen F | Pimephales promelas | 1-1.5g, 5-6.5cm | LC50 | static | 96 | 25 | 1.7(h | nr. 2155: Henderson, 1958 |
| Vissen F | Pimephales promelas | 1-1.5g, 5-6.5cm | LC50 | static | 24 | 25 | 1(h=h | nr. 2155: Henderson, 1958 |
| Vissen F | Pimephales promelas | 1-1.5g, 5-6.5cm | LC50 | static | 48 | 25 | 1(h=h | nr. 2155: Henderson, 1958 |
| Vissen F | Lepomis macrochirus | 1.5g, 5cm | LC50 | static | 48 | 25 | 0.84 (| nr. 2155: Henderson, 1958 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Tetrafosfor**Chemische formule:** P**Moleculair gewicht:** 30,97**Densiteit (g/l):** 1 800**Dampdruk (Pa):** 130**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 7723-14-0**UN-nummer:** 1381**GESAMP HAZARD PROFILE:****Gesamp A:** +**Gesamp B:** 4**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------|---------------------|----------------------------|---------------|--------------|----------|-----------|-------------|-------------------------|
| Vissen F | Pimephales promelas | 60d, post hatch | LC50 | static | 48 | 25 | 0.021 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 1.7g, 40mm | LC50 | flow through | 24 | 21 | >0.00 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 1.7g, 40mm | LC50 | flow through | 96 | 21 | >0.00 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 0.9g, 33mm | LC50 | static | 96 | 20 | 0.086 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 0.9g, 33mm | LC50 | static | 96 | 20 | 0.069 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 0.9g, 33mm | LC50 | static | 96 | 15-20 | 0.005 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 0.9g, 33mm | LC50 | static | 96 | 25 | 0.002 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 0.9g, 33mm | LC50 | static | 96 | 20 | 0.004 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 1g, 35mm | LC50 | static | 24 | 20 | 0.027 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 60d, post hatch | LC50 | static | 24 | 25 | 0.027 | nr. 5964: Bentley, 1978 |
| Vissen F | Oncorhynchus mykiss | 0.9g, 43mm | LC50 | static | 96 | 10 | 0.022 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 60d, post hatch | LC50 | static | 96 | 25 | 0.018 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | eggs | LC50 | static | 24 | 25 | 0.560 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 30d, post hatch | LC50 | static | 96 | 25 | 0.021 | nr. 5964: Bentley, 1978 |
| Vissen F | Oncorhynchus mykiss | 0.9g, 43mm | LC50 | static | 48 | 10 | 0.028 | nr. 5964: Bentley, 1978 |
| Vissen F | Lepomis macrochirus | 1g, 35mm | LC50 | static | 96 | 20 | 0.006 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 0.1g, 43mm | LC50 | static | 96 | 25 | 0.02 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | eggs | LC50 | static | 24 | 25 | 0.560 | nr. 5964: Bentley, 1978 |

| | | | | | | | | |
|---------------|---------------------|--------------------|---------|-----------------|-----|----|-------|----------------------------|
| Vissen F | Pimephales promelas | 30d, post hatch | LC50 | static | 48 | 25 | 0.025 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 30d., post hatch | LC50 | static | 24 | 25 | 0.026 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 7 d., post hatch | LC50 | static | 96 | 25 | 0.074 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 7 d., post hatch | LC50 | static | 48 | 25 | 0.075 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 7 d., post hatch | LC50 | static | 24 | 25 | 0.093 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 1 hour, post hatch | LC50 | static | 96 | 25 | 0.154 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 1 hour, post hatch | LC50 | static | 48 | 25 | 0.154 | nr. 5964: Bentley, 1978 |
| Vissen F | Pimephales promelas | 1 hour, post hatch | LC50 | static | 24 | 25 | 0.154 | nr. 5964: Bentley, 1978 |
| Vissen F | Oncorhynchus mykiss | 0.9g, 43mm | LC50 | static | 24 | 10 | 0.061 | nr. 5964: Bentley, 1978 |
| Zoöplankton F | Daphnia magna | 24h | EC50im. | static | 24 | 20 | 34 | nr. 5964: Bentley, 1978 |
| Zoöplankton F | Daphnia magna | 2-3 instar larvae | LC50 | flow through | 48 | 21 | 0.111 | nr. 5964: Bentley, 1978 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 8d. | 21 | >0.01 | nr. 5964: Bentley, 1978 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 48 | 21 | >0.05 | nr. 5964: Bentley, 1978 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | >0.05 | nr. 5964: Bentley, 1978 |
| Zoöplankton F | Daphnia magna | 24h | EC50im. | static | 48 | 20 | 30 | nr. 5964: Bentley, 1978 |

RISK AND SAFETY PHRASES:

Risk phrases

R17 = spontaneously flammable in air

R26 = very toxic by inhalation

R28 = very toxic if swallowed

R35 = causes severe burns

Safety phrases

S5 = keep contents under...(appropriate liquid to be specified by the manufacturer)

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Tetrahydrofuraan**Chemische formule:** C₄ H₈ O**Moleculair gewicht:** 72,12**Densiteit (g/l):** 888**Dampdruk (Pa):** 20 260**Oplosbaarheid (g/l):** 888**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 109-99-9**UN-nummer:** 2056**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** DE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Chilomonas paramecium | ND | PGR | ND | 48 | 20 | 2.868 | nr. 5719: Bringmann, 1980 |
| Fytoplankton F | Anacystis aeruginosa | ND | PGR | static | 8d. | 27 | 225 | nr. 15134: Bringmann, 1978 |
| Vissen F | Pimephales promelas | 34d;18.6mm;0.111 g | LC50 | flow through | 96 | 24.3 | 2160 | nr. 12448: Brooke, 1984 |
| Zoöplankton F | Daphnia magna | ND | EC100 | static | 24 | ND | 10000 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 5930 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | ND | LC50 | static | 24 | 20-22 | >100 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:**Risk phrases**

R11 = highly flammable

R19 = may form exoplosive peroxides

R36 = irritating to eyes

R37 = irritating to respiratory system

Safety phrases

S16 = keep away from sources of ignition - no smoking

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:

Naam chemische stof: Tetrahydronaftaleen

Chemische formule: C10 H12

CAS registratie nummer: 119-64-2

Moleculair gewicht: 132,22

UN-nummer: /

Densiteit (g/l): 974

Dampdruk (Pa): 133

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: I

Carcinogeen: N

Gesamp E: X

Gedrag: F

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 78 | nr. 2408: Price, 1974 |
| Zoöplankton F | Daphnia pulex | neonate | EC50im. | static | 48 | 20 | 2.412 | nr. 3283: Smith, 1988 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Tetramethyllood**Chemische formule:** C₄ H₁₂ Pb**Moleculair gewicht:** 267,35**Densiteit (g/l):** 1 999**Dampdruk (Pa):** 3 332**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 75-74-1**UN-nummer:** 1649**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 3**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Dunaliella tertiolecta | ND | EC50PS | static | 48 | 20 | 1.650 | nr. 5573: Marchetti, 1978 |
| Fytoplankton M | Phaeodactylum tricornutum | ND | EC50PS | ND | 96 | ND | 1 | nr. 5800: Maddock, 1980 |
| Invertebraten M | Crangon crangon | 4.8cm; 1.1g | LC50 | flow through | 96 | 15 | 0.085 | nr. 5800: Maddock, 1980 |
| Invertebraten M | Artemia salina | neonates | LC50 | static | 48 | 20 | 0.25 | nr. 5573: Marchetti, 1978 |
| Mollusken M | Mytilus edulis | 6.4cm; 28.5g | LC50 | flow through | 96 | 15 | 0.210 | nr. 5800: Maddock, 1980 |
| Vissen F | Dicentrarchus labrax | 6mm | LC50 | static | 48 | 20 | 0.1 | nr. 5573: Marchetti, 1978 |
| Vissen F | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 13.5 | nr. 863: Dawson, 1977 |
| Vissen M | Pleuronectes platessa | 5.2cm; 2.8g | LC50 | flow through | 96 | 15 | 0.039 | nr. 5800: Maddock, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases**

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

R33 = danger of cumulative effects

Safety phrases

S13 = keep away from food, drink and animal feed

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 = wear suitable protective clothing

S37 = wear suitable gloves

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:

Naam chemische stof: Thioglycolzuur

Chemische formule: C2 H4 O2 S

CAS registratie nummer: 68-11-1

Moleculair gewicht: 92,12

UN-nummer: 1940

Densiteit (g/l): 1 325

Dampdruk (Pa): 1 330

Oplosbaarheid (g/l): 1 325

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: N

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | 17 | 30 | nr. 901: Bender, 1969 |

RISK AND SAFETY PHRASES:

Risk phrases

R23 = toxic by inhalation
R24 = toxic in contact with skin
R25 = toxic if swallowed
R34 = causes burns

Safety phrases

S2 = keep out of reach of children
S25 = avoid contact with eyes
S27 = take off immediately all contaminated clothing
S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Toluëen**Chemische formule:** C₇ H₈**Moleculair gewicht:** 92,15**Densiteit (g/l):** 867**Dampdruk (Pa):** 2 932**Oplosbaarheid (g/l):** 0,515**Pow:** 2,7**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 108-88-3**UN-nummer:** 1294**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XX**Gedrag:** FE**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|--------------------------|
| Fytoplankton | Amphidinium carterae | ND | PGR | static | 48- | 18 | 10 | nr. 2214: Dunstan, 1975 |
| Fytoplankton | Cricosphaera cartera | ND | PGR | static | 48- | 18 | 10 | nr. 2214: Dunstan, 1975 |
| Fytoplankton | Dunaliella tertiolecta | ND | PGR | static | 48- | 18 | 10 | nr. 2214: Dunstan, 1975 |
| Fytoplankton F | Selenastrum capricornutum | ND | EC50gr | static | 72 | ND | 12,5 | nr. 13142: Galassi, 1988 |
| Fytoplankton F | Chlorella vulgaris | ND | EC50gr | static | 24 | 20 | 245 | nr. 2215: Kauss, 1975 |
| Fytoplankton M | Skeletonema costatum | ND | PGR | static | 48- | 18 | 10 | nr. 2214: Dunstan, 1975 |
| Invertebraten M | Cancer magister | 1st instar zoeal | LC50 | static | 96 | 13 | 28 | nr. 5035: Caldwell, 1977 |
| Invertebraten M | Eualus suckleyi | 1g | LC50 | flow through | 96 | 6,5 | 19,75 | nr. 3060: Rice, 1989 |
| Invertebraten M | Eualus sp | 0,8 g; 6mm | LC50 | static | 96 | 4 | 14,7 | nr. 5030: Korn, 1979 |
| Invertebraten M | Eualus sp | 0,8 g; 6mm | LC50 | static | 24 | 4 | 18 | nr. 6260: Korn, 1977 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 48 | 21 | 15,5 | nr. 420: Tatem, 1978 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 24 | 21 | 21 | nr. 420: Tatem, 1978 |
| Invertebraten M | Crangon franciscorum | adult, 1,8 g | LC50 | static | 96 | 16 | 4,3 | nr. 558: Benville, 1977 |
| Invertebraten M | Crangon franciscorum | adult, 1,8 g | LC50 | static | 24 | 16 | 12 | nr. 558: Benville, 1977 |
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 96 | 21 | 9,5 | nr. 420: Tatem, 1978 |
| Mollusken M | Mytilus edulis | 40-50 mm | EC50 | static | <1. | 15 | 2,35 | nr. 3742: Donkin, 1989 |
| Mollusken M | Crassostrea gigas | eggs | LC50 | static | 48 | 20-21. | 172 | nr. 8621: Legore, 1974 |
| Vissen F | Oncorhynchus mykiss | ND | LC50 | renewal | 96 | 12 | 5,8 | nr. 13142: Galassi, 1988 |

| | | | | | | | | |
|----------|-----------------------------|------------------------------|------|--------------|----|--------|-------|----------------------------|
| Vissen F | <i>Pimephales promelas</i> | 30-31d, 16.5mm, 0.067g | LC50 | flow through | 96 | 25.5 | 31,7 | nr. 3217: Geiger, 1990 |
| Vissen F | <i>Pimephales promelas</i> | fry, 10-15d, 11.6mg, 9.5mm | LC50 | static | 96 | 22 | 56,4 | nr. 10432: Mayes, 1983 |
| Vissen F | <i>Pimephales promelas</i> | embryo | LC50 | flow through | 96 | 25 | 55 | nr. 15560: Devlin, 1982 |
| Vissen F | <i>Pimephales promelas</i> | 1d post-hatch, protolarvae | LC50 | flow through | 96 | 25 | 25 | nr. 15560: Devlin, 1982 |
| Vissen F | <i>Pimephales promelas</i> | 30d | LC50 | flow through | 96 | 25 | 18 | nr. 15560: Devlin, 1982 |
| Vissen F | <i>Gambusia affinis</i> | adult, female | LC50 | static | 96 | 17-22 | 1180 | nr. 508: Wallen, 1957 |
| Vissen F | <i>Pimephales promelas</i> | 31d, 21.6mm, 0.154g | LC50 | flow through | 96 | 25 | 36,2 | nr. 12858: Geiger, 1986 |
| Vissen F | <i>Oncorhynchus mykiss</i> | 2,4g | LC50 | static | 96 | 12 | 24 | nr. 666: Johnson, 1980 |
| Vissen F | <i>Pimephales promelas</i> | juv., 0.11g, 1.8cm | LC50 | static | 96 | 20 | 12,6 | nr. 5087: Pearson, 1979 |
| Vissen F | <i>Poecilia reticulata</i> | ND | LC50 | renewal | 96 | 21 | 28,2 | nr. 13142: Galassi, 1988 |
| Vissen F | <i>Lepomis macrochirus</i> | 0.1g | LC50 | static | 96 | 17 | 170 | nr. 666: Johnson, 1980 |
| Vissen F | <i>Lepomis macrochirus</i> | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 24 | nr. 728: Pickering, 1966 |
| Vissen F | <i>Pimephales promelas</i> | juv., 30-35d, 76.8mg, 14.9mm | LC50 | static | 96 | 22 | 77,4 | nr. 10432: Mayes, 1983 |
| Vissen F | <i>Lepomis macrochirus</i> | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 24 | nr. 728: Pickering, 1966 |
| Vissen F | <i>Lepomis macrochirus</i> | juv., 0.32-1.2g | LC50 | static | 96 | 22 | 13 | nr. 5590: Buccafusco, 1981 |
| Vissen F | <i>Poecilia reticulata</i> | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 59,3 | nr. 728: Pickering, 1966 |
| Vissen F | <i>Lepomis macrochirus</i> | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 24 | nr. 728: Pickering, 1966 |
| Vissen F | <i>Clarias lazera</i> | 19-23cm, 150-180g | LC50 | renewal | 96 | 23 | 26,2 | nr. 3997: Ghazaly, 1991 |
| Vissen F | <i>Carassius auratus</i> | 20-80g, 1-1.5yr, 13-20cm | LC50 | flow through | 24 | 18 | 41,59 | nr. 416: Brenniman, 1976 |
| Vissen F | <i>Carassius auratus</i> | 20-80g, 1-1.5yr, 13-20cm | LC50 | flow through | 48 | 18 | 27,62 | nr. 416: Brenniman, 1976 |
| Vissen F | <i>Carassius auratus</i> | 20-80g, 1-1.5yr, 13-20cm | LC50 | flow through | 72 | 18 | 25,33 | nr. 416: Brenniman, 1976 |
| Vissen F | <i>Carassius auratus</i> | 20-80g, 1-1.5yr, 13-20cm | LC50 | flow through | 96 | 18 | 22,8 | nr. 416: Brenniman, 1976 |
| Vissen F | <i>Gambusia affinis</i> | adult, female | LC50 | static | 24 | 17-22 | 1340 | nr. 508: Wallen, 1957 |
| Vissen F | <i>Gambusia affinis</i> | adult, female | LC50 | static | 48 | 17-22 | 1260 | nr. 508: Wallen, 1957 |
| Vissen F | <i>Poecilia reticulata</i> | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 60,95 | nr. 728: Pickering, 1966 |
| Vissen F | <i>Oncorhynchus kisutch</i> | fry, 1g | LC50 | flow through | 96 | 7.6-10 | 5,5 | nr. 15191: Moles, 1981 |
| Vissen F | <i>Pimephales promelas</i> | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 34,27 | nr. 728: Pickering, 1966 |
| Vissen F | <i>Pimephales promelas</i> | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 46,31 | nr. 728: Pickering, 1966 |
| Vissen F | <i>Pimephales promelas</i> | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 46,31 | nr. 728: Pickering, 1966 |

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|---------------|-------------------------|--------------------------------|--------|--------------|----|--------|-------|----------------------------|
| Vissen F | Poecilia reticulata | 6m, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 62,81 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | sub-adult, 65-94d, 391mg, 28mm | LC50 | static | 96 | 22 | 54 | nr. 10432: Mayes, 1983 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 56 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 96 | 25 | 42,33 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | 17 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 48 | 25 | 56 | nr. 728: Pickering, 1966 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 24 | 4 | 7,55 | nr. 6260: Korn, 1977 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 24 | 4 | 8,09 | nr. 6260: Korn, 1977 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 24 | 4 | 6,69 | nr. 6260: Korn, 1977 |
| Vissen M | Oncorhynchus gorboscha | fry | LC50 | flow through | 48 | 10.2-1 | 6,78 | nr. 3060: Rice, 1989 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 96 | 4 | 8,09 | nr. 5030: Korn, 1979 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 96 | 4 | 7,63 | nr. 5030: Korn, 1979 |
| Vissen M | Oncorhynchus gorboscha | fry, 0.35g, 3.5cm | LC50 | static | 96 | 4 | 6,41 | nr. 5030: Korn, 1979 |
| Vissen M | Oncorhynchus gorboscha | fry | LC50 | flow through | 48 | 10.2-1 | 6,52 | nr. 3060: Rice, 1989 |
| Vissen M | Oncorhynchus gorboscha | fry | LC50 | flow through | 48 | 10.2-1 | 6,19 | nr. 3060: Rice, 1989 |
| Zoöplankton F | Brachionus calyciflorus | juv. | LC50 | static | 24 | 25 | 113 | nr. 9385: Snell, 1991 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 48 | 20 | 19,6 | nr. 5087: Pearson, 1979 |
| Zoöplankton F | Daphnia magna | juv. | EC50im | static | 24 | 25 | 84 | nr. 847: Kuhn, 1989 |
| Zoöplankton F | Daphnia magna | juv. | EC50 | static | 24 | ND | 270 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 310 | nr. 5184: LeBlanc, 1980 |
| Zoöplankton F | Diaptomus forbesi | ND | LC50 | static | 96 | 28 | 447 | nr. 11282: Saha, 1983 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 21 | 470 | nr. 5718: Bringmann, 1977 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable
R20 = harmful by inhalation

Safety phrases

S16 = keep away from sources of ignition - no smoking
S29 = do not empty into drains
S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Tolueendiisocyanaat**Chemische formule:** C₉ H₆ N₂ O₂**CAS registratie nummer:** 584-84-9**Moleculair gewicht:** 174,17**UN-nummer:** 2078**Densiteit (g/l):** 1 220**Dampdruk (Pa):** 1,33 (bij 20°C)**Oplosbaarheid (g/l):** 12**Pow:** 1**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** N**Gesamp E:** XXX**Gedrag:** SD**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|------------------------|
| Invertebraten M | Palaemonetes pugio | ND | LC50 | static | 96 | 22 | 508,3 | nr. 875: Curtis, 1979 |
| Vissen F | Pimephales promelas | 3.2-4.2 cm | LC50 | static | 96 | 22 | 164,5 | nr. 879: Curtis, 1979 |
| Vissen F | Pimephales promelas | 3.2-4.2 cm | LC50 | static | 48 | 22 | 172,1 | nr. 879: Curtis, 1979 |
| Vissen F | Pimephales promelas | 3.2-4.2 cm | LC50 | static | 24 | 22 | 194,9 | nr. 879: Curtis, 1979 |
| Vissen F | Pimephales promelas | 0.3-1g | LC50 | static | 96 | 22 | 164,5 | nr. 2965: Curtis, 1981 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | 22 | 164,5 | nr. 5735: Curtis, 1978 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 48 | 22 | 172 | nr. 5735: Curtis, 1978 |
| Vissen F | Pimephales promelas | ND | LC50 | static | 24 | 22 | 195 | nr. 5735: Curtis, 1978 |

RISK AND SAFETY PHRASES:**Risk phrases**

R26 = very toxic by inhalation

R27 = very toxic in contact with skin

R28 = very toxic if swallowed

Safety phrases

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

S38 = in case of insufficient ventilation wear suitable respiratory equipment

S45 = in case of an accident or if you feel unwell seek medical advice immediately (show the label where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Trichloorethyleen**Chemische formule:** C2 H Cl3**Moleculair gewicht:** 131,38**Densiteit (g/l):** 1 460**Dampdruk (Pa):** 133 330**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 79-01-6**UN-nummer:** 1710**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|-----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton M | Skeletonema costatum | 10000cells/ml | EC50 | static | 96 | 20 | 95 | nr. 15005: Ward, 1986 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 24 | 22 | 68-10 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 1g, 49mm | LC50 | flow through | 72 | 12 | 39 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1g, 49mm | LC50 | flow through | 48 | 12 | 53.3 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 1g, 49mm | LC50 | flow through | 24 | 12 | 52.4 | nr. 973: Alexander, 1978 |
| Vissen F | Pimephales promelas | 30-35d | LC50 | flow through | 96 | 25 | 45 | nr. 11227: Walbridge, 1983 |
| Vissen F | Pimephales promelas | 30-35d | LC50 | flow through | 72 | 25 | 55.4 | nr. 11227: Walbridge, 1983 |
| Vissen F | Pimephales promelas | 30-35d | LC50 | flow through | 48 | 25 | 57.9 | nr. 11227: Walbridge, 1983 |
| Vissen F | Pimephales promelas | 30-35d | LC50 | flow through | 24 | 25 | 58.8 | nr. 11227: Walbridge, 1983 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 44.1 | nr. 10183: Veith, 1983 |
| Vissen F | Lepomis macrochirus | juv., 0.32-1.2g | LC50 | static | 96 | 22 | 45 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Pimephales promelas | 1g, 49mm | LC50 | flow through | 96 | 12 | 40.7 | nr. 973: Alexander, 1978 |
| Vissen M | Cyprinidon variegatus | 1.4mg, 5-6mm | LC50 | static | 96 | 22 | 52 | nr. 15005: Ward, 1986 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 21 | >100 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | ND | 41 | nr. 2017: Canton, 1978 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 48 | 22 | 18 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | <24h | LC50 | static | 24 | 22 | 22 | nr. 5184: Le Blanc, 1980 |

| | | | | | | | | |
|---------------|---------------|------|--------|--------|----|----|------|-------------------------------|
| Zoöplankton F | Daphnia magna | 4-6d | EC50im | static | 48 | 23 | 7.73 | nr. 11926: Abernethy, 1986 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | ND | 1.31 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia pulex | <24h | LC50 | static | 48 | ND | 39 | nr. 2017: Canton, 1978 |

RISK AND SAFETY PHRASES:

Risk phrases

R20= harmful by inhalation

R21 = harmful in contact with skin

Safety phrases

S2 = keep out of reach of children

S25 = avoid contact with eyes

CHEMISCHE GEGEVENS:

Naam chemische stof: Tricresylfosfaat

Chemische formule: C21 H21 O4 P

Moleculair gewicht: 368,37

Densiteit (g/l): 1 160

Dampdruk (Pa): 1 133

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 1330-78-5

UN-nummer: 2574

GESAMP HAZARD PROFILE:

Gesamp A: +

Gesamp B: 4

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|---------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|------------------------|
| Fytoplankton F | Selenastrum capricornutum | log phase, 50000 cells/ml | EC50gr. | static | 96 | 23 | >1 | nr. 5336: Adema, 1981 |
| Fytoplankton F | Chlorella pyrenoidosa | log phase, 10000 cells/ml | EC50gr. | static | 96 | 23 | >1 | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal 14d | 23 | 2.5 | | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal 14d | 23 | 2.8 | | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal 7d | 23 | 3.5 | | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal 7d | 23 | 3.7 | | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal 96 | 23 | 5.5 | | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal 48 | 23 | 8 | | nr. 5336: Adema, 1981 |
| Vissen F | Poecilia reticulata | 21-28d | LC50 | renewal 48 | 23 | 5.7 | | nr. 5336: Adema, 1981 |
| Vissen F | Oncorhynchus mykiss | 0.2g | LC50 | flow through | 96 | 12 | 0.26 | nr. 666: Johnson, 1980 |
| Vissen F | Lepomis macrochirus | 0.6g | LC50 | flow through | 96 | 12 | 0.150 | nr. 666: Johnson, 1980 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | 7 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 8.7 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 48 | 19 | 3.6 | nr. 5336: Adema, 1981 |
| Zoöplankton F | Daphnia magna | <24h | EC50im. | static | 24 | 19 | 9.1 | nr. 5336: Adema, 1981 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

R23 = toxic by inhalation

R24 = toxic in contact with skin

R25 = toxic if swallowed

R39 = danger of very serious
irreversible effects

S20 = when using do not eat or drink

S21 = when using do not smoke

S28 = after contact with skin, wash immediately with plenty of ... (to be
specified by the manufacturer)

S44 = if you feel unwell, seek medical advice immediately (show the label
where possible)

CHEMISCHE GEGEVENS:**Naam chemische stof:** Triethanolamine**Chemische formule:** C6 H15 N O3**Moleculair gewicht:** 149,22**Densiteit (g/l):** 1 130**Dampdruk (Pa):** 3**Oplosbaarheid (g/l):** 1 130**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 102-71-6**UN-nummer:** 1760**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 1**Gesamp D:** 1**Gesamp E:** 0**Persistentie:** ?**Carcinogeen:** N**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|-----------------|-------------------------|----------------------------|---------------|--------------|----------|-----------|-------------|---------------------------|
| Fytoplankton F | Scenedesmus subspicatus | log gro phase | EC50gr. | static | 48 | 24 | 750 | nr. 2997: Kuhn, 1990 |
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | 5600 | nr. 2408: Price, 1974 |
| Vissen F | Pimephales promelas | 30d;18.1mm;0.083 g | LC50 | flow through | 96 | 25.7 | 11800 | nr. 3217: Geiger, 1990 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 20-22 | 1390 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | juv. | EC50im. | static | 24 | 25 | 2038 | nr. 847: Kuhn, 1989 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

CHEMISCHE GEGEVENS:

Naam chemische stof: Triethylamine

Chemische formule: C₆ H₁₅ N

Moleculair gewicht: 101,22

Densiteit (g/l): 729

Dampdruk (Pa): 7 198

Oplosbaarheid (g/l): 729

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 121-44-8

UN-nummer: 1296

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: D

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC 50 | static | 48 | 25 | 720 | nr. 10132: Tonogai, 1982 |

RISK AND SAFETY PHRASES:Risk phrases

R11 = highly flammable

R36 = irritating to eyes

R37= irritating to respiratory system

Safety phrases

S16 = keep away from sources of ignition - no smoking

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S29 = do not empty into drains

CHEMISCHE GEGEVENS:**Naam chemische stof:** Triethyleenglycol**Chemische formule:** C6 H14 O4**Moleculair gewicht:** 150,20**Densiteit (g/l):** 1 125**Dampdruk (Pa):** 1 299**Oplosbaarheid (g/l):** 1 125**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 112-27-6**UN-nummer:** /**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 0**Persistentie:** ?**Gesamp D:** 0**Carcinogeen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|----------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 24 | >100 | nr. 2408: Price, 1974 |
| Vissen F | Lepomis macrochirus | ND | LC50 | flow through | 96 | ND | 61000 | nr. 2470: Cardwell, 1978 |
| Vissen F | Pimephales promelas | 30d | LC50 | flow through | 96 | 22.2 | 70200 | nr. 12859: Geiger, 1988 |
| Vissen F | Lepomis macrochirus | 33-75mm | LC50 | static | 96 | 23 | >100 | nr. 863: Dawson 1977 |
| Vissen F | Carassius auratus | 3.3g | LC50 | static | 96 | 23 | >100 | nr. 623: Bridie, 1979 |
| Vissen F | Pimephales promelas | ND | LC50 | flow through | 96 | ND | 92500 | nr. 2470: Cardwell, 1978 |
| Vissen F | Pimephales promelas | 0.12g | LC50 | flow through | 96 | 25 | 69800 | nr. 10183: Veith, 1983 |
| Vissen F | Pimephales promelas | 30d | LC50 | flow through | 96 | ND | 59900 | nr. 12859: Geiger, 1988 |
| Vissen F | Pimephales promelas | 30d | LC50 | flow through | 96 | 21.7 | 77400 | nr. 12859: Geiger, 1988 |
| Vissen F | Savelinus fontinalis | ND | LC50 | flow through | 96 | ND | 73500 | nr. 2470: Cardwell, 1978 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | >100 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 48 | ND | 52400 | nr. 7884: Ziegenfuss, 1986 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | >100 | nr. 707: Bringmann, 1982 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | >100 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 48 | 21 | 40000 | nr. 10694: Le Blanc, 1983 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 66000 | nr. 10694: Le Blanc, 1983 |

RISK AND SAFETY PHRASES:Risk phrasesSafety phrases

CHEMISCHE GEGEVENS:

Naam chemische stof: Trimethylamine

Chemische formule: C3 H9 N

Moleculair gewicht: 59,13

Densiteit (g/l): 2,6

Dampdruk (Pa): 62 000

Oplosbaarheid (g/l): 2,6

Pow: 0

Aggregatietoestand: Gas

CAS registratie nummer: 75-50-3

UN-nummer: 1083

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XXX

Gedrag: GD

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------------|
| Vissen F | Oryzias latipes | 2cm, 0.2g | LC50 | static | 48 | 25 | 1000 | nr. 10132: Tonogai, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Trimethylnaftaleen

Chemische formule: C13 H14

CAS registratie nummer: 829-26-5

Moleculair gewicht: 170,25

UN-nummer: /

Densiteit (g/l): 1 010

Dampdruk (Pa): ?

Oplosbaarheid (g/l): 0,0017 (in zeewater)

Pow: ?

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: /

Gesamp B: /

Persistentie: /

Gesamp D: /

Carcinogeen: /

Gesamp E: /

Gedrag: /

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------|

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RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Uranyl nitraat**Chemische formule:** N2 O8 U**Moleculair gewicht:** 394,02**Densiteit (g/l):** 2 807**Dampdruk (Pa):** 0**Oplosbaarheid (g/l):** 2 807**Pow:** 0**Aggregatietoestand:** Vaste stof**CAS registratie nummer:** 10102-06-4**UN-nummer:** 2981**GESAMP HAZARD PROFILE:****Gesamp A:** ?**Gesamp B:** ?**Persistentie:** ?**Gesamp D:** ?**Carcinogeen:** ?**Gesamp E:** ?**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|---------------------|----------------------------|---------------|------------|----------|-----------|-------------|--------------------------|
| Vissen F | Pimephales promelas | ND | LC50 | static | 96 | ND | 3.1 | nr. 2042: Tarzwell, 1960 |
| Zoöplankton F | Daphnia magna | eerste instar | EC50im. | static | 48 | 20 | 74.34 | nr. 10568: Poston, 1984 |
| Zoöplankton F | Daphnia magna | eerste instar | EC50im. | static | 48 | 20 | 29.56 | nr. 10568: Poston, 1984 |
| Zoöplankton F | Daphnia magna | eerste instar | EC50im. | static | 48 | 20 | 30.44 | nr. 10568: Poston, 1984 |
| Zoöplankton F | Daphnia magna | eerste instar | EC50im. | static | 48 | 20 | 44.57 | nr. 10568: Poston, 1984 |
| Zoöplankton F | Daphnia magna | eerste instar | EC50im. | static | 48 | 20 | 6.19 (| nr. 10568: Poston, 1984 |
| Zoöplankton F | Daphnia magna | eerste instar | EC50im. | static | 48 | 20 | 5.34 (| nr. 10568: Poston, 1984 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:

Naam chemische stof: Valeraldehyde

Chemische formule: C5 H10 O

Moleculair gewicht: 86,15

Densiteit (g/l): 820

Dampdruk (Pa): 360

Oplosbaarheid (g/l): 11,5

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 110-62-3

UN-nummer: 2058

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: I

Carcinogeen: ?

Gesamp E: X

Gedrag: ED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-------------------------|
| Vissen F | Pimephales promelas | 28d;18.8mm;0.101 g | LC50 | flow through | 96 | 24.1 | 13.4 | nr. 12858: Geiger, 1986 |
| Vissen F | Pimephales promelas | 31d;19.8mm;0.119 g | LC50 | flow through | 96 | 24.5 | 12.4 | nr. 12447: Geiger, 1985 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Vinylacetaat

Chemische formule: C4 H6 O2

Moleculair gewicht: 86,10

Densiteit (g/l): 934

Dampdruk (Pa): 11 997

Oplosbaarheid (g/l): 23

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 108-05-4

UN-nummer: 1301

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: ED

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|-----------------|---------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|--------------------------|
| Invertebraten M | Artemia salina | nauplii | LC50 | static | 24 | 21 | 45 | nr. 2408: Price, 1974 |
| Invertebraten M | Crangon crangon | larve | LC50 | static | 48 | 15 | 10-10 | nr. 9258: Portmann, 1972 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 2g | LC50 | static | 96 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 35.75 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d | LC50 | static | 96 | 25 | 14 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d | LC50 | static | 24 | 25 | 16 (h | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 96 | 25 | 31.08 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 2d | LC50 | static | 48 | 25 | 17 (h | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 24 | 25 | 31.08 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 2d | LC50 | static | 24 | 25 | 18 (h | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 2g | LC50 | static | 48 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Carassius auratus | 3.8-6.4cm, 2g | LC50 | static | 24 | 25 | 42.33 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 2g | LC50 | static | 96 | 25 | 18 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 2g | LC50 | static | 48 | 25 | 18 | nr. 728: Pickering, 1966 |
| Vissen F | Lepomis macrochirus | 3.8-6.4cm, 2g | LC50 | static | 24 | 25 | 18.53 | nr. 728: Pickering, 1966 |
| Vissen F | Poecilia reticulata | 6 maand, 1.9-2.5cm, 0.1-0.2g | LC50 | static | 48 | 25 | 31.08 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 48 | 25 | 42 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 36.8 (| nr. 728: Pickering, 1966 |

| | | | | | | | | |
|---------------|---------------------|-----------------|------|--------|----|----|--------|------------------------------|
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 36.8 (| nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 19.73 | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 20.3 (| nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 1d | LC50 | static | 48 | 25 | 15 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 96 | 25 | 41 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 2d | LC50 | static | 96 | 25 | 15 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 24 | 25 | 42 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 96 | 25 | 20 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 48 | 25 | 22 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | adult | LC50 | static | 24 | 25 | 25 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 4d | LC50 | static | 96 | 25 | 23 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 4d | LC50 | static | 48 | 25 | 24 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 4d | LC50 | static | 24 | 25 | 25 (h | nr. 728: Pickering, 1966 |
| Vissen F | Pimephales promelas | 3.8-6.4cm, 1-2g | LC50 | static | 24 | 25 | 22.17 | nr. 728: Pickering, 1966 |
| Zoöplankton F | Daphnia magna | 24h | LC50 | static | 24 | 21 | 330 | nr. 5718: Bringmann, 1977 |
| Zoöplankton F | Daphnia magna | ND | EC50 | static | 24 | 21 | 52 | nr. 707: Bringmann, 1982 |

RISK AND SAFETY PHRASES:

Risk phrases

R11 = highly flammable

Safety phrases

S16 = keep away from sources of ignition - no smoking

S23 = do not inhale gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S29 = do not empty into drains

S33 = take precautionary measures against static discharges

CHEMISCHE GEGEVENS:**Naam chemische stof:** Vinylideenchloride**Chemische formule:** C₂ H₂ Cl₂**CAS registratie nummer:** 75-35-4**Moleculair gewicht:** 96,94**UN-nummer:** 1303**Densiteit (g/l):** 1 210**Dampdruk (Pa):** 66 500**Oplosbaarheid (g/l):** 0**Pow:** 0**Aggregatietoestand:** Vloeistof**GESAMP HAZARD PROFILE:****Gesamp A:** Z**Gesamp B:** 1**Persistentie:** ?**Gesamp D:** II**Carcinogeen:** Y**Gesamp E:** XX**Gedrag:** S**ECOTOXICOLOGISCHE GEGEVENS:**

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|----------------|----------------------|----------------------------|---------------|--------------|----------|-----------|-------------|----------------------------|
| Fytoplankton F | Scenedesmus abundans | 10000cells/ml | EC50 | static | 96 | 22 | 410 | nr. 11677: Geyer, 1985 |
| Vissen F | Pimephales promelas | adult; 0.8g; 35mm | LC50 | flow through | 5d | 12 | 97 | nr. 5741: Dill, 1980 |
| Vissen F | Pimephales promelas | adult; 0.8g; 35mm | LC50 | flow through | 96 | 12 | 108 | nr. 5741: Dill, 1980 |
| Vissen F | Pimephales promelas | adult; 0.8g; 35mm | LC50 | flow through | 48 | 12 | 108 | nr. 5741: Dill, 1980 |
| Vissen F | Pimephales promelas | adult; 0.8g; 35mm | LC50 | static | 96 | 12 | 169 | nr. 5741: Dill, 1980 |
| Vissen F | Pimephales promelas | adult; 0.8g; 35mm | LC50 | static | 48 | 12 | 169 | nr. 5741: Dill, 1980 |
| Vissen F | Lepomis macrochirus | 0.32-1.2g | LC50 | static | 96 | 21-23 | 74 | nr. 5590: Buccafusco, 1981 |
| Vissen F | Lepomis macrochirus | 33-37mm | LC50 | static | 96 | 23 | 220 | nr. 863: Dawson, 1977 |
| Vissen M | Menidia beryllina | 40-100mm | LC50 | static | 96 | 20 | 250 | nr. 863: Dawson, 1977 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 22 | 79 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 22 | 98 | nr. 5184: Le Blanc, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 48 | 17 | 11.6 | nr. 5741: Dill, 1980 |
| Zoöplankton F | Daphnia magna | juv. | LC50 | static | 24 | 17 | 11.6 | nr. 5741: Dill, 1980 |

RISK AND SAFETY PHRASES:**Risk phrases****Safety phrases**

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CHEMISCHE GEGEVENS:**Naam chemische stof:** Waterstofperoxyde**Chemische formule:** H₂ O₂**Moleculair gewicht:** 34,02**Densiteit (g/l):** 1 290**Dampdruk (Pa):** 100**Oplosbaarheid (g/l):** 1 290**Pow:** 0**Aggregatietoestand:** Vloeistof**CAS registratie nummer:** 7722-84-1**UN-nummer:** 2015**GESAMP HAZARD PROFILE:****Gesamp A:** 0**Gesamp B:** 2**Persistentie:** ?**Gesamp D:** 1**Carcinoogen:** N**Gesamp E:** 0**Gedrag:** D**ECOTOXICOLOGISCHE GEGEVENS:**

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|----------------|---------------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|---------------------------|
| Fytoplankton F | Chlorella pyrenoidosa | log phase | PGR | ? | 96 | 21 | 1.3 | nr. 12971: Stauber, 1987 |
| Fytoplankton M | Phaeodactylum tricornutum | ? | PGR | ? | 72 | ? | 0.68 | nr. 11882: Florence, 1986 |
| Fytoplankton M | Phaeodactylum tricornutum | log phase | PGR | static | 24 | 21 | 1.36 | nr. 12971: Stauber, 1987 |

RISK AND SAFETY PHRASES:**Risk phrases**

R39 = danger of very serious irreversible effects

Safety phrases

S28 = after contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer)

CHEMISCHE GEGEVENS:

Naam chemische stof: Zoutzuur

Chemische formule: H Cl

Moleculair gewicht: 36,46

Densiteit (g/l): 1 190

Dampdruk (Pa): 28 000

Oplosbaarheid (g/l): 1 190

Pow: 0

Aggregatietoestand: Vloeistof

CAS registratie nummer: 7647-01-0

UN-nummer: 1789

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 1

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 96 | 21-23 | 282 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 48 | 21-23 | 282 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC50 | static | 24 | 21-23 | 282 | nr. 508: Wallen, 1957 |

RISK AND SAFETY PHRASES:

Risk phrases

R34 = causes burns
R37 = irritating to respiratory system

Safety phrases

S2 = keep out of reach of children
S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

CHEMISCHE GEGEVENS:

Naam chemische stof: **Zwavel**

Chemische formule: S

Moleculair gewicht: 32,06

Densiteit (g/l): 1 800

Dampdruk (Pa): 10

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Vaste stof

CAS registratie nummer: 7704-34-9

UN-nummer: 2448

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 0

Persistentie: ?

Gesamp D: 0

Carcinogeen: N

Gesamp E: 0

Gedrag: S

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|-----------------------|
| Vissen F | Gambusia affinis | adult, female | LC 50 | static | 96 | 20-22 | 10000 | nr. 508: Wallen, 1957 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Zwaveldioxide

Chemische formule: S O₂

Moleculair gewicht: 64,06

Densiteit (g/l): 3

Dampdruk (Pa): 324 160

Oplosbaarheid (g/l): 0

Pow: 0

Aggregatietoestand: Gas

CAS registratie nummer: 7446-09-5

UN-nummer: 1079

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: 1

Carcinoogen: N

Gesamp E: 0

Gedrag: G

ECOTOXICOLOGISCHE GEGEVENS:

| <u>Groep</u> | <u>Organisme</u> | <u>Leeftijd, grootte, gewicht</u> | <u>Eindpunt test</u> | <u>Soort test</u> | <u>Tijd (h)</u> | <u>Temp (°C)</u> | <u>Conc (mg/l)</u> | <u>Referentie</u> |
|--------------|------------------|-----------------------------------|----------------------|-------------------|-----------------|------------------|--------------------|----------------------|
| Vissen M | Morone saxatilis | larv.;10-12d;7-9mm | MOR(22- | flow through | 96 | 20-20. | 2 | nr. 6340: Hall, 1981 |

RISK AND SAFETY PHRASES:

Risk phrases

Safety phrases

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CHEMISCHE GEGEVENS:

Naam chemische stof: Zwavelzuuroplossing

Chemische formule: H₂ S O₄

CAS registratie nummer: 7664-93-9

Moleculair gewicht: 98,08

UN-nummer: 1832

Densiteit (g/l): 1 390

Dampdruk (Pa): 10 100

Oplosbaarheid (g/l): 1 390

Pow: 0

Aggregatietoestand: Vloeistof

GESAMP HAZARD PROFILE:

Gesamp A: 0

Gesamp B: 2

Persistentie: ?

Gesamp D: II

Carcinogeen: N

Gesamp E: XX

Gedrag: DE

ECOTOXICOLOGISCHE GEGEVENS:

| Groep | Organisme | Leeftijd, grootte, gewicht | Eindpunt test | Soort test | Tijd (h) | Temp (°C) | Conc (mg/l) | Referentie |
|---------------|------------------|----------------------------|---------------|------------|----------|-----------|-------------|-----------------------|
| Vissen F | Gambusia affinis | adult, female | LC 50 | static | 96 | 20-24 | 42 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC 50 | static | 48 | 20-24 | 42 | nr. 508: Wallen, 1957 |
| Vissen F | Gambusia affinis | adult, female | LC 50 | static | 24 | 20-24 | 42 | nr. 508: Wallen, 1957 |
| Zoöplankton F | Daphnia magna | 5d | MOR | static | 7d | 25 | 20 | nr. 916: Ellis, 1937 |

RISK AND SAFETY PHRASES:

Risk phrases

R35 = causes severe burns

Safety phrases

S2 = keep out of reach of children

S26 = in case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S30 = never add water to this product

REFERENTIES ECOTOXICOLOGISCHE DATA

Reference number: 138

Author: Edsall, C.C.

Year: 1991

Title: Acute Toxicities to Larval Rainbow Trout of Representative Compounds Detected in Great Lakes Fish

Source: Bull. Environ. Contam. Toxicol. 46(2):173-178

Reference number: 212

Author: Cowgill, U.M. and D.P. Milazzo

Year: 1991B

Title: The Sensitivity of *Ceriodaphnia dubia* and *Daphnia magna* to Seven Chemicals Utilizing the Three-Brood Test

Source: Arch. Environ. Contam. Toxicol. 20(2):211-217

Reference number: 334

Author: Buhl, K.J. and S.J. Hamilton

Year: 1990

Title: Comparative Toxicity of Inorganic Contaminants Released by Placer Mining to Early Life Stages of Salmonids

Source: Ecotoxicol. Environ. Saf. 20(3):325-342

Reference number: 395

Author: McGeachy, S.M. and D.G. Dixon

Year: 1989

Title: The Impact of Temperature on the Acute Toxicity of Arsenate and Arsenite to Rainbow Trout (*Salmo Gairdneri*)

Source: Ecotoxicol. Environ. Saf. 17(1):86-93

Reference number: 415

Author: Abel, P.D.

Year: 1976A

Title: Effects of Some Pollutants on the Filtration Rate of *Mytilus*

Source: Mar. Pollut. Bull. 7:228-231

Reference number: 416

Author: Brenniman, G., R. Hartung, and W.J. Weber, Jr.

Year: 1976

Title: A Continuous Flow Bioassay Method to Evaluate the Effect of Outboard Motor Exhausts and Selected Aromatic Toxicants on Fish

Source: Water Res. 10(2):165-169

Reference number: 420

Author: Tatem, H.E., B.A. Cox, and J.W. Anderson

Year: 1978

Title: The Toxicity of Oils and Petroleum Hydrocarbons to Estuarine Crustaceans

Source: Estuarine Coastal Mar. Sci. 6(4):365-373

Reference number: 448

Author: Woodiwiss, F.S. and G. Fretwell

Year: 1974

Title: The Toxicities of Sewage Effluents, Industrial Discharges and Some Chemical Substances to Brown Trout (*Salmo trutta*) in the Trent River Authority Area

Source: Water Pollut. Control 73:396-405 (Author Communication Used)

- Reference number: 472
 Author: Fisher, J.W., C.B. Harrah, and W.O. Berry
 Year: 1980
 Title: Hydrazine: Acute Toxicity to Bluegills and Sublethal Effects on Dorsal Light Response and Aggression
 Source: Trans. Am. Fish. Soc. 109(3):304-309
- Reference number: 494
 Author: Alexander, H.C., D.C. Dill, L.W. Smith, P.D. Guiney, and P. Dorn
 Year: 1988
 Title: Bisphenol A: Acute Aquatic Toxicity
 Source: Environ. Toxicol. Chem. 7(1):19-26
- Reference number: 495
 Author: Paulet, G. and M. Vidal
 Year: 1975
 Title: Toxicity of Some Acrylic and Methacrylic Esters of Acrylamide and Polyacrylamides
 Source: Arch. Mal. Prof. Med. Trav. Secur. Soc. 36(1/2):58-60 (ENG)
- Reference number: 508
 Author: Wallen, I.E., W.C. Greer, and R. Lasater
 Year: 1957
 Title: Toxicity to *Gambusia affinis* of Certain Pure Chemicals in Turbid Waters
 Source: Sewage Ind. Wastes 29(6):695-711 (Author Communication Used)
- Reference number: 518
 Author: Cairns, J., A.L. Buikema, Jr., A.G. Heath, and B.C. Parker
 Year: 1978
 Title: Effects of Temperature on Aquatic Organism Sensitivity to Selected Chemicals
 Source: VA. Water Resour. Res. Center, Bull. 106, Office of Water Res. Technol., OWRT Project B-084-VA, VA. Polytech. Inst. State Univ., Blacksburg, VA: 88 P.
- Reference number: 519
 Author: Broderius, S.J., L.L. Smith, Jr., and D.T. Lind
 Year: 1977
 Title: Relative Toxicity of Free Cyanide and Dissolved Sulfide Forms to the Fathead Minnow (*Pimephales promelas*)
 Source: J. Fish. Res. Board Can. 34(12):2323-2332 (Personal Communication Used)
- Reference number: 520
 Author: Smith, L.L. Jr., S.J. Broderius, D.M. Oseid, G.L. Kimball, and W.M. Koenst
 Year: 1978
 Title: Acute Toxicity of Hydrogen Cyanide to Freshwater Fishes
 Source: Arch. Environ. Contam. Toxicol. 7(3):325-337
- Reference number: 522
 Author: Katz, M.
 Year: 1961
 Title: Acute Toxicity of some Organic Insecticides to Three Species of Salmonids and to the Threespine Stickleback
 Source: Trans. Am. Fish. Soc. 90(3):264-268
- Reference number: 551
 Author: Meier, E.P., W.H. Dennis, A.B. Rosencrance, W.F. Randall, W.J. Cooper, and M.C. Warner
 Year: 1979
 Title: Sulfotepp, a Toxic Impurity in Formulations of Diazinon
 Source: Bull. Environ. Contam. Toxicol. 23(1/2):158-164

- Reference number: 558
 Author: Benville, P.E. Jr. and S. Korn
 Year: 1977
 Title: The Acute Toxicity of Six Monocyclic Aromatic Crude Oil Components to Striped Bass (*Morone saxatilis*) and Bay Shrimp (*Crangon franciscorum*)
 Source: Calif. Fish Game 63(4):204-209
- Reference number: 561
 Author: Lorz, H.W., S.W. Glenn, R.H. Williams, C.M. Kunkel, L.A. Norris, and B.R. Loper
 Year: 1979
 Title: Effects of Selected Herbicides on Smolting of Coho Salmon
 Source: Ecol. Res. Ser., EPA-600/3-79-071, Corvallis Environ. Res. Lab., U.S. EPA, Corvallis, OR: 102 p.
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 Author: Birge, W.J., J.A. Black, and D.M. Bruser
 Year: 1979
 Title: Toxicity of Organic Chemicals to Embryo-Larval Stages of Fish
 Source: Ecol. Res. Ser. EPA-560/11-79-007, Office of Toxic Substances, U.S. Environ. Prot. Agency, Washington, D.C.: 60 P.
- Reference number: 569
 Author: Degraeve, G.M., D.L. Geiger, J.S. Meyer, and H.L. Bergman
 Year: 1980
 Title: Acute and Embryo-Larval Toxicity of Phenolic Compounds to Aquatic Biota
 Source: Arch. Environ. Contam. Toxicol. 9(5):557-568
- Reference number: 623
 Author: Bridie, A.L., C.J.M. Wolff, and M. Winter
 Year: 1979A
 Title: The Acute Toxicity of Some Petrochemicals to Goldfish
 Source: Water Res. 13(7):623-626
- Reference number: 627
 Author: Eisler, R.
 Year: 1969
 Title: Acute Toxicities of Insecticides to Marine Decapod Crustaceans
 Source: Crustaceana 16(3):302-310
- Reference number: 628
 Author: Eisler, R.
 Year: 1970B
 Title: Acute Toxicities of Organochlorine and Organophosphorus Insecticides to Estuarine Fishes
 Source: Tech. Paper No. 46, Bur. Sport Fish. Wildl., U.S.D.I., Washington, D.C.: 12 p.
- Reference number: 632
 Author: Macek, K.J., M.A. Lindberg, S. Sauter, K.S. Buxton, and P.A. Costa
 Year: 1976
 Title: Toxicity of Four Pesticides to Water Fleas and Fathead Minnows
 Source: EPA-600/3-76-099, Environ. Res. Lab., U.S. Environ. Prot. Agency, Duluth, MN: 68 p.
- Reference number: 646
 Author: Butler, P.A.
 Year: 1964
 Title: Commercial Fishery Investigations
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Reference number: 666

Author: Johnson, W.W. and M.T. Finley

Year: 1980

Title: Handbook of Acute Toxicity of Chemicals to Fish and Aquatic Invertebrates

Source: Resour. Publ. 137, Fish Wildl. Serv., U.S.D.I., Washington, D.C.: 98 p.

Reference number: 673

Author: Slonim, A.R.

Year: 1977

Title: Acute Toxicity of Selected Hydrazines to the Common Guppy

Source: Water Res. 11(10):889-895

Reference number: 696

Author: Dave, G. and U. Lidman

Year: 1978

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Source: Hydrometallurgy 3:201-216

Reference number: 707

Author: Bringmann, G. and R. Kuhn

Year: 1982

Title: Results of Toxic Action of Water Pollutants on *Daphnia magna* Straus Tested by an Improved Standardized Procedure

Source: Z. Wasser Abwasser Forsch. 15(1):1-6 (GER) (ENG ABS)

Reference number: 719

Author: Mattson, V.R., J.W. Arthur, and C.T. Walbridge

Year: 1976

Title: Acute Toxicity of Selected Organic Compounds to Fathead Minnows

Source: Ecol. Res. Ser. EPA-600/3-76-097, Environ. Res. Lab., U.S. EPA, Duluth, MN: 12 p.

Reference number: 728

Author: Pickering, Q.H. and C. Henderson

Year: 1966B

Title: Acute Toxicity of Some Important Petrochemicals to Fish

Source: J. Water Pollut. Control Fed. 38(9):1419-1429

Reference number: 753

Author: Shigeoka, T., T. Yamagata, T. Minoda, and F. Yamauchi

Year: 1988A

Title: Acute Toxicity and Hatching Inhibition of Chlorophenols to Japanese Medaka, *Oryzias latipes* and Structure-Activity Relationships

Source: Eisei Kagaku 34(4):343-349 (JPN) (ENG ABS)

Reference number: 754

Author: Takimura, O. and Y. Yamaoka

Year: 1988

Title: Accumulation and Speciation of Arsenic in *Dunaliella* sp. at Growth Phase

Source: Nippon Kagaku Kaisni 5:819-822 (JPN) (ENG ABS)

Reference number: 770

Author: Das, P.K.M.K. and S.K. Konar

Year: 1988

Title: Acute Toxicity of Petroleum Products, Crude Oil and Oil Refinery Effluent on Plankton, Benthic Invertebrates and Fish

Source: Environ. Ecol. 6(4):885-891

Reference number: 771

Author: Ghatak,D.B., M.M.Hossain, and S.K.Konar

Year: 1988

Title: Acute Toxicity of n-Heptane and n-Hexane on Worm and Fish

Source: Environ. Ecol. 6(4):943-947

Reference number: 819

Author: Shigeoka,T., T.Yamagata, T.Minoda, and F.Yamauchi

Year: 1988B

Title: Toxicity Test of 2,4-Dichlorophenol on Embryo, Larval, and Early-Juvenile Japanese Medaka (*Oryzias latipes*) by Semi-Static Method

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Reference number: 840

Author: Crews,R.C.

Year: 1974

Title: Effects of Propylene Oxide on Selected Species of Fishes

Source: Tech. Rep. AFATL-TR-74-183, Environics Office, Air Force Armament Lab., Eglin Air Force Base, FL:13 p.

Reference number: 846

Author: Kuhn,R., M.Pattard, K.Pernak, and A.Winter

Year: 1989A

Title: Results of the Harmful Effects of Selected Water Pollutants (Anilines, Phenols, Aliphatic Compounds) to *Daphnia magna*

Source: Water Res. 23(4):495-499

Reference number: 847

Author: Kuhn,R., M.Pattard, K.Pernak, and A.Winter

Year: 1989B

Title: Results of the Harmful Effects of Water Pollutants to *Daphnia magna* in the 21 Day Reproduction Test

Source: Water Res. 23(4):501-510

Reference number: 863

Author: Dawson,G.W., A.L.Jennings, D.Drozdowski, and E.Rider

Year: 1977

Title: The Acute Toxicity of 47 Industrial Chemicals to Fresh and Saltwater Fishes

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Author: Calamari,D., S.Galassi, and R.Da Gasso

Year: 1979

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Reference number: 872

Author: Kobayashi,K., H.Akitake, and K.Manabe

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Year: 1986

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Year: 1983

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Author: Elnabarawy, M.T., A.N. Welter, and R.R. Robideau

Year: 1986

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Author: Holcombe, G.W., G.L. Phipps, A.H. Sulaiman, and A.D. Hoffman

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Author: Dabrowska, H. and H. Sikora

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Author: Sabourin, T.D.

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